STATE OF NEW YORK

DEPARTMENT OF CONSERVATION

WATER POWER AND CONTROL COMMISSION

RECORD OF WELLS

IN

NASSAU COUNTY, N. Y.

Exclusive of those published in
U. S. Geological Survey Professional Paper 44

Prepared by the United States Geological Survey
in cooperation with the Water Power and
Control Commission and with
Nassau County

BULLETIN GW-5

LIBRARY COPY
U. S. GEOLOGICAL SURVEY
343 U. S. POST OFFICE & COURT HOUSE
POST OFFICE BOX 1350
ALBANY, NEW YORK 12201

ALBANY
1935

GB
1025
N56N32
#5

GB
1025
N56 N32
#5

103

STATE OF NEW YORK

DEPARTMENT OF CONSERVATION

WATER POWER AND CONTROL COMMISSION

RECORD OF WELLS

IN

NASSAU COUNTY, N. Y.

Exclusive of those published in
U. S. Geological Survey Professional Paper 44

Prepared by the United States Geological Survey
in cooperation with the Water Power and
Control Commission and with
Nassau County

BULLETIN GW-5

ALBANY
1938

Published by the Water Power and Control Commission of the State of New York in conjunction with Report on the Water Supplies of Long Island, Bulletin GW-2, in compliance with the provisions of Chapter 839 of the Laws of 1936, as amended.

NEW YORK STATE

WATER POWER AND CONTROL COMMISSION

COMMISSIONERS

Lithgow Osborne	Conservation Commissioner, Chairman
Frederick Stuart Greene	Superintendent of Public Works
John J. Bennett, Jr.	Attorney-General

John T. Gibbs	Deputy Conservation Commissioner
Thomas F. Farrell	Chief Engineer, Department of Public Works
Timothy F. Cohan	Assistant Attorney-General

Russell Suter	Friend P. Williams
Executive Engineer	Secretary

UNITED STATES DEPARTMENT OF
THE INTERIOR

Harold L. Ickes, Secretary

GEOLOGICAL SURVEY

W. C. Mendenhall, Director
R. M. Leggette, Geologist

Contents

	Page
Introduction.	5
Well logs and descriptive notes	10
Index of wells by owners.	135
List of Bulletins on L. I. Ground Water Investigation . . .	140

RECORDS OF WELLS IN NASSAU COUNTY, N. Y.

INTRODUCTION

In 1906 records of about 900 wells that had been drilled on Long Island were published in U. S. Geological Survey Professional Paper 44, "Underground water resources of Long Island, New York", by A. C. Veatch and others. Since that time a large number of wells have been drilled on the island, but no systematic attempt has been made to collect or preserve records of all these wells. Since 1932 the United States Geological Survey, in cooperation with the New York State Water Power and Control Commission and with Nassau and Suffolk Counties, has been carrying on an investigation of the ground-water conditions on Long Island. A part of this work has consisted of the collection and compilation of well records that were in the possession of waterworks officials, well-drilling companies, engineers, and others. It has of course not been feasible to attempt to obtain records of all wells that have been drilled since 1906, but an effort has been made to collect records of the more significant wells.

By the Laws of 1936, Chapter 839, the Legislature of the State of New York directed the Water Power and Control Commission to report upon the water supplies of Long Island. This was done on February 1, 1937, by publication of Bulletin GW-2, "Engineering Report on the Water Supplies of Long Island", by Russell Suter, Executive Engineer, submitted to the Legislature on February 25, 1937. During the course of this investigation records of many wells in Kings and Queens Counties were collected by consultants employed by the Water Power and Control Commission. Rather than publish these records by themselves as a supplement of Bulletin GW-2, it seemed desirable to combine them with similar records previously collected

by the United States Geological Survey. The well records from these two sources constitute a large amount of valuable data and it has seemed desirable to make them readily available to those interested. The compilation includes records of about 1,500 wells, which together with those published in Professional Paper 44 give information on about 2,500 wells.

Many of the wells have been abandoned or destroyed, but their records nevertheless indicate the conditions to be expected at the particular localities where they were drilled. Although some of the records are very incomplete, they at least give some information as to the conditions to be expected.

The present report includes only the records of wells drilled in Nassau County - about 200 wells. In December 1937 a report entitled, "Record of wells in Kings County, N. Y." was published as Bulletin GW-3 of the New York State Water Power and Control Commission. In January 1938 a similar report entitled, "Record of wells in Suffolk County, N. Y.", was published as Bulletin GW-4 of the New York State Water Power and Control Commission. A similar report covering Queens County is in preparation. As new wells are drilled the records will be collected and compiled and from time to time released for consultation by the public. Publication of the new records is contemplated when a sufficient number have been compiled.

The locations of all wells for which records are given in this report are shown on the map at the end of the report. It has not been possible to check in the field the locations of some of the wells. For such wells the locations as shown on the map are based either on the address given in the record and a street map of the county, or on information given by the driller, owner, or other person. To aid the reader in finding a well location, the map is divided into rectangles, which at the margins are

lettered B, C, D, etc., from bottom to top and numbered 5, 6, 7, etc., from left to right. These coordinates are given in the heading of each well record as the first number and letter in parentheses. The other numbers and letters in the parentheses indicate respectively the distance in miles north and west from the southeast corner of the rectangle in which the well is located. For example, well N 1, Knickerbocker Ice Co. Well 1. 305 Pearsall Ave., Cedarhurst. (5 B, 2.5 N., 3.4 W.), will be found on the map in the rectangle first from left and first from the bottom, 2.5 miles north and 3.4 miles west of the southeast corner of the rectangle.

The well-numbering system used in this report is in general use by other workers on Long Island and has been adopted by the New York State Water Power and Control Commission. As a rule a single number has been assigned to each pumping plant, which may include several wells. In some instances, a separate number has been assigned to each well at one plant if the wells have individual pumps. Each number carries the first letter of the county name - N 1, N 2, etc.

Records of wells that were listed in Professional Paper 44 are not given in this report unless more recent or more complete data were obtained. Most of the well records here given were collected by members of the United States Geological Survey. Some of the logs were taken from an unpublished report by W. O. Crosby for the City of New York, Board of Water Supply, and a few additional records collected by him were furnished by Irving B. Crosby. The work of compiling and preparing the data for publication was done by the United States Geological Survey, with the assistance of George H. Clark of the U. S. Works Progress Administration for the City of New York. The following members of the United States Geological Survey collected

or compiled records included in this report: D. G. Thompson, F. G. Wells, Kyle Forrest, H. R. Blank, W. H. Monroe, R. M. Leggette, M. L. Brashears, and Meta H. Wendels, Acknowledgements are due to the many well-drilling companies, waterworks officials, engineers, and well owners, who with few exceptions, willingly furnished information or made their records available. Without their cooperation this report would not have been possible.

Copies of this report may be consulted at most of the libraries on Long Island and in metropolitan New York.

PUBLICATIONS PERTAINING TO GROUND-WATER CONDITIONS ON LONG ISLAND, N. Y.

Burr, W. H., Hering, Rudolph, and Freeman, J. R., Report of the Commission on additional water supply for the City of New York, 980 pp., New York, Martin B. Brown Co., 1904.

Veatch, A. C., and others, Underground water resources of Long Island, N. Y.: U. S. Geol. Survey. Prof. Paper 44, 394 pp., 1906.

Veatch, A. C., Fluctuations of the water level in wells, with special reference to Long Island, N. Y.: U. S. Geol. Survey Water-Supply Paper 155, 83 pp., 1906.

Long Island sources, an additional supply of water for the City of New York. City of New York Board of Water Supply, 2 vols., 708 pp., 1912. (Commonly known as the report of Water E. Spear).

Fuller, M. L., The geology of Long Island, N. Y.: U. S. Geol. Survey Prof. Paper 82, 231 pp., 1914.

Laase, W. F., Sub-surface water supply of western Long Island and its utilization: Municipal Engineers Journal, New York, Paper 172, 38 pp., 1934.

Leggette, R. M., Long-time records of ground-water levels on Long Island, N. Y.: Am. Geophysical Union Trans., 1936, Part II, pp., 341-344, 1936.

Thompson, D. G., and Leggette, R. M., Withdrawal of ground water on Long Island, N. Y.: New York State Water Power and Control Commission Bulletin GW-1, 28 pp., 1936.

Suter, Russell, Engineering report on the water supplies of Long Island: New York State Water Power and Control Commission Bulletin GW-2, 64 pp., 1937

Thompson, D. G., Wells, F. G., and Blank, H. R., Recent geologic studies on Long Island with respect to ground-water supplies: Econ. Geology, vol. 32, pp., 451-470, 1937.

Leggette, R. M., The mutual interference of artesian wells on Long Island, N. Y.: Am. Geophysical Union Trans., 1937, Part II, pp., 490-494, 1937.

Record of wells in Kings County, N. Y.: New York State Water Power and Control Commission Bulletin GW-3, 175 pp., 1937.

Record of wells in Suffolk County, N. Y.: New York State Water Power and Control Commission Bulletin GW-4, 108 pp., 1938.

WELL LOGS AND DESCRIPTIVE NOTES
(Numbers correspond to those used on accompanying map)

N 1. Knickerbocker Ice Co., Well 1. 305 Pearsall Ave., Cedarhurst. (5 B, 2.5 N., 3.4 W.). Drilled March 1932. Record furnished by owner.

Depth: 50.8 feet below top of casing which is 22 inches above engine room floor.
Depth to water: 19.2 feet below top of casing on March 17, 1932.

N 2. City of New York, Department of Water Supply, Gas, & Electricity, Lynbrook pumping station. (5 B, 5.2 N., 0.3 W.). Altitude about 19 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand, coarse, reddish.	16	16
Sand, fine, light colored.	4	20
Sand, coarse, and fine gravel, light colored . . .	5	25
Clay, light colored.	1	26
Sand, fine, light colored.	4	30
Clay, black.	3	33
Sand, fine to medium, light colored.	6	39
Gravel, coarse, light colored.	3	42
Clay, bluish	3	45
Sand, medium to coarse, light colored.	5	50
Clay, bluish	9	59
Sand, coarse, dark, and gravel	8	67
Sand, medium, light colored.	11	78
Sand, medium, gray	4	82

N 3. City of New York, Department of Water Supply, Gas & Electricity, Watts Pond pumping station. (5 B, 5.2 N., 2.2 W.). Altitude about 10 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand, coarse, dark colored	15	15
Sand, coarse, light colored.	15	30
Sand, coarse, reddish, with coarse gravel.	5	35
Sand, coarse, light colored, and fine gravel . . .	31	66
Clay	46	112
Sand, fine, white, some wood	13	125
Gravel, medium, white.	5	130
Sand, fine, white.	2	132

(Continued on next page)

N 3. (Continued.)

	Thickness (feet)	Depth (feet)
Clay	26	158
Sand, fine, white, some wood	140	298
Clay	2	300
Sand, fine, white, some wood	92	392
Clay	6	398
Sand, fine, white, some wood	17	415
Clay	24	439
Sand, fine, white, some wood	10	449
Clay	16	465

- -

N 4. City of New York, Department of Water Supply, Gas & Electricity, Well 2, Watts Pond. (5 B, 5.3 N., 2.0 W.). Drilled by Riley Drilling Co. Altitude about 10 feet above sea level. Record from an examination of samples by F. G. Wells.

	Thickness (feet)	Depth (feet)
Soil, brown, sandy	5	5
Sand, coarse, straw-colored, and fine gravel, with some granite grains	10	15
Sand, medium grained, straw-colored, with some pebbles	10	25
Sand, fine, straw-colored	5	30
Sand, fine, very micaceous	5	35
Sand, coarse, and small gravel	20	55
Sand, fine, white, micaceous	10	65
Clay, black, plastic	5	70

Fourteen other wells at this station show the same condition.

- -

N 5. City of New York, Department of Water Supply, Gas & Electricity. Clear Stream pumping station. (5 B, 5.4 N., 2.8 W.). Drilled in 1908. Altitude about 9 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Top soil	2	2
Sand and gravel, light colored	18	20
Sand, coarse, light colored, with a little gravel	28	48
Clay	5	53
Wood, hard, black	5	58

(Continued on next page)

N 5. (Continued.)

	Thickness (feet)	Depth (feet)
Sand, fine, dark colored	9	67
Sand, fine, white, with wood	43	110
Clay and gravel	6	116
Sand, fine, white	14	130
Sand, fine, white with black wood	168	298
Sand, light colored, and fine gravel	22	320

N 6. City of New York, Department of Water Supply, Gas & Electricity. Composite of 18 test wells. Clear Stream pumping station. (5 B, 5.4 N., 2.8 W.). Altitude about 10 feet above sea level. Record compiled by W. O. Crosby.

	Thickness (feet)	Depth (feet)
Sand, fine to medium, gray and buff, micaceous	38	38
Sand, coarse, and quartz gravel	6	44
Sand, fine, gray and buff, micaceous	23	67
Sand, gray, clay and lignite	18	85
Clay, blue	44	129
Sand, fine, white, and lignite	166	295
Sand, coarse, white, and gravel	43	338

N 7. Citizens Water Supply Co. Well 26. 130 feet north of Remsen St., and 150 feet west of Corona Ave., Valley Stream. (5 C, 0.8 N., 1.4 W.). Altitude of land surface 20 feet above mean sea level. Record collected by W. O. Crosby.

	Thickness (feet)	Depth (feet)
Sand and gravel	60	60
Clay	50	110
Sand and gravel, water-bearing	40	150
Clay	280	430
Gravel, water-bearing	110	540
Clay	240	780
Sand, fine	20	800
Sand, coarse, and gravel, water-bearing,	170	970

Casing: 6 inch.
Screen: 60 feet of slotted pipe set from 851 to 911 feet.

(Continued on next page)

N 7. (Continued).

An automatic water-stage recorder was installed on this well on September 4, 1936, and is still in operation. ..

Lowest water level in feet above mean sea level.
(from recorder charts)

Date	Water Level	Date	Water Level	Date	Water Level
1936		1937		1937	
Sept. 5	7.44	Feb. 1	9.95	Aug. 1	6.61
Oct. 1	8.31	Mar. 1	11.72	Sept. 1	6.72
Nov. 1	9.29	Apr. 1	12.50	Oct. 1	8.28
Dec. 1	9.12	May 1	10.82	Nov. 1	9.69
1937		June 1	10.14	Dec. 1	10.52
Jan. 1	9.55	July 1	8.11		

More detailed water level data are available in the Jamaica office of the U. S. Geological Survey.

There are 25 other wells on this property. Information on these wells furnished by owner.

Owner's Well No.	Diameter (inches)	Depth (feet)	Owner's Well No.	Diameter (inches)	Depth (feet)
1	6	536	14	6	499
2	6	536	15	6	522
3	6	148	16	6	516
4	8	526	17	6	494
5	6	521	18	6	499
6	6	519	19	6	495
7	8	138	20	6	483
8	6	536	21	6	493
9	8	138	22	6	496
10	6	502	23	6	509
11	6	501	24	6	425
12	6	522	25	6	495
13	8	132			

- -

N 8. Citizens Water Supply Co. Well 6. On west side of Corona Ave., 650 feet north of Remsen St., Valley Stream. (5 C, 0.8 N., 1.4 W.). Measuring point, top of casing. Altitude 23.99 feet above mean sea level.

Depth:	519 feet.
Casing:	6 inch.
Screen:	21 feet.

(Continued on next page)

N 8. (Continued).

Weekly water level measurements in this well were started July 3, 1936 and have been continued to date.

Water level in feet above mean sea level.

Date	Water Level	Date	Water Level	Date	Water Level
1936		1936		1937	
July 3	22.69	Nov. 28	22.11	Apr. 3	23.53
July 31	22.27	1937		May 1	23.66
Sept. 4	21.97	Jan. 2	23.31	June 5	23.23
Oct. 3	22.36	Jan. 30	23.61	July 3	23.10
Oct. 31	22.30	Feb. 27	23.56	July 31	22.70
				Aug. 28	22.77

More detailed water level data are available in the Jamaica office of the U. S. Geological Survey.

- -

N 9. Citizens Water Supply Co. Well 7. On west side of Corona Ave., 650 feet north of Remsen St., Valley Stream. (5C, 0.8 N., 1.4 W.). Measuring point, top of casing. Altitude of measuring point, 24.73 feet above mean sea level.

Depth: 138 feet.
Casing: 8-inch.
Screen: 40 feet.

Weekly water level measurements in this well were started July 3, 1936 and have been continued to date.

Water level in feet above mean sea level

Date	Water Level	Date	Water Level	Date	Water Level
1936		1936		1937	
July 3	21.73	Nov. 28	21.27	Apr. 3	22.18
July 31	21.41	1937		May 1	22.35
Sept. 4	21.12	Jan. 2	22.17	June 5	22.01
Oct. 3	21.62	Jan. 30	22.35	July 3	22.02
Oct. 31	21.43	Feb. 27	22.18	July 31	21.67
				Aug. 28	21.61

More detailed water level data are available in the Jamaica office of the U. S. Geological Survey.

N 10. Jamaica Water Supply Co. Well 15. Elmont Road near Hempstead Turnpike, Elmont. (5 C, 2.5 N., 2.4 W.). Drilled by Layne-New York Co., Inc., 1926-1927. Altitude 49 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Top soil	2	2
Sand, coarse, and gravel	18	20
Sand, coarse	42	62
Sand, coarse, and gravel	68	130
Clay, soft	10	140
Sand, muddy	9	149
Sand, fine	21	170
Clay, tough	10	180
Sand, loose	21	201
Sand, muddy	11	212
Clay, tough	19	231
Sand, fine	21	252
Sand, coarse, rough	81	333
Sand, coarse, and gravel	69	402
Clay		

Casing: 18 to 12 inches.
Screen: 13-inch set from 330 to 397.7 feet.

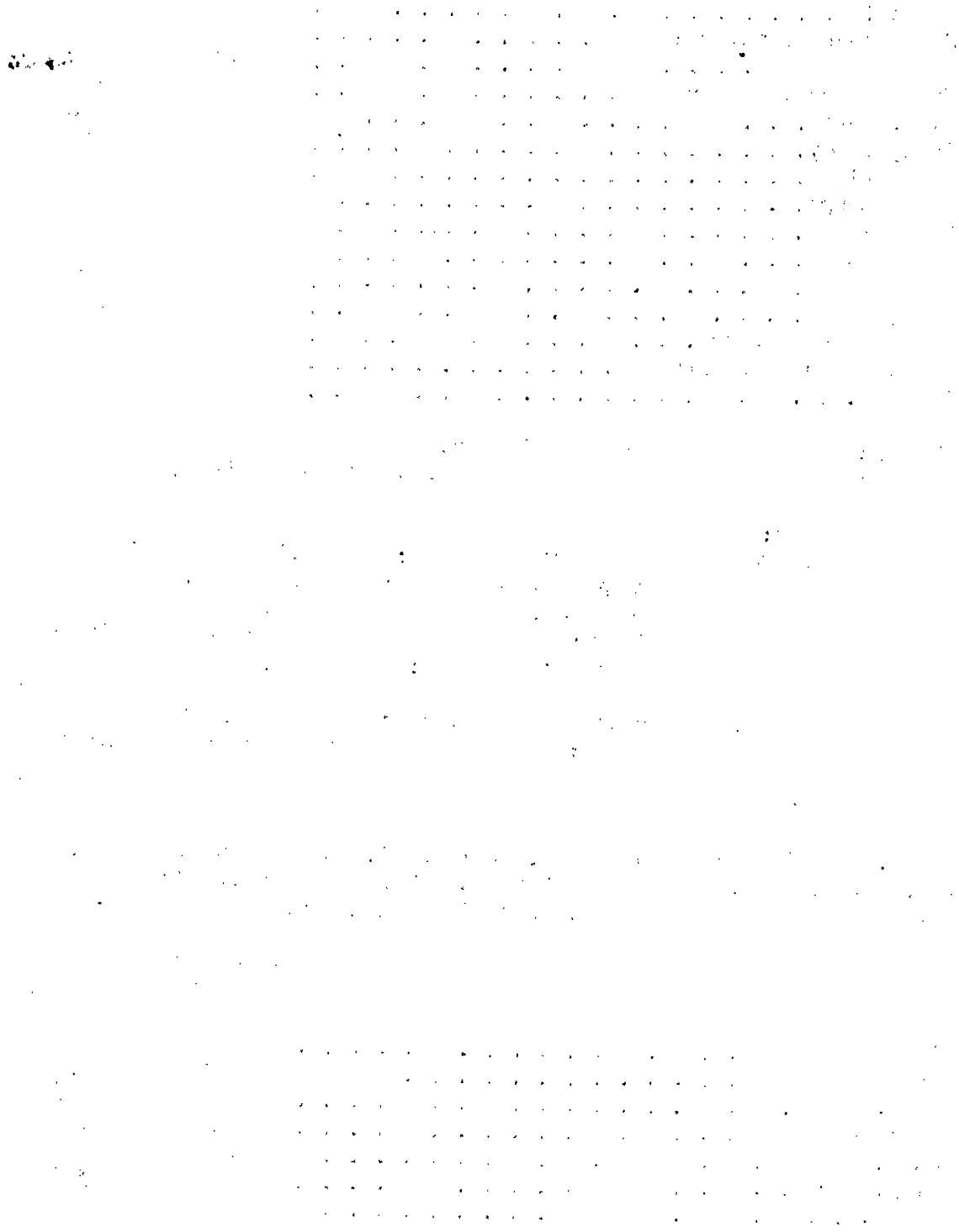
Pumping tests:

June 17, 1926	Static water level:	11 feet.
	Pumping water level:	61.5 feet.
	Drawdown:	50.5 feet.
	Yield:	984 gallons a minute.
	Specific capacity:	19.
June 6, 1927.	Pumping water level:	82.7 feet
	Yield:	1,028 gallons a minute.

N 11. Jamaica Water Supply Co. Well 15-A. Elmont Road, Elmont. (5 C, 2.5N., 2.4 W.). Drilled by Layne-New York Co., Inc., 1925-1927. Altitude 46 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand and gravel	80	80
Sand and clay	41	121
Sand, loose	17	138
Sand and clay	15	153
Sand, loose	185	338
Clay, hard	32	370
Sand	20	390

(Continued on next page)



N 11. (Continued).

	Thickness (feet)	Depth (feet)
Clay	2	392
Sand and gravel	16	408
Clay, hard	4	412
Sand	6	418
Clay	2	420
Sand	6	~~440~~ 426
Clay, hard	14	440

Casing: 24 to 8 inches.
Screen: 65 feet of 13-inch set with bottom at 273.6 feet.
120 feet of 8-inch set with bottom at 408.8 feet.

Pumping tests:

Aug. 3, 1926.	Static water level:	7 feet.
	Pumping water level:	33 feet.
	Drawdown:	26 feet.
	Yield:	1,023 gallons a minute.
	Specific capacity:	39.
June 6, 1927.	Pumping water level:	54 feet.
	Yield:	1,406 gallons a minute.

Record by F. G. Wells from examination of samples in the office of Layne-New York Co., Inc.,

	Depth represented by sample (feet)
Sand, coarse, buff colored, and small gravel of heterogeneous composition	7- 80
Sand, coarse, buff colored, and small gravel of heterogeneous composition	121-138
Sand, coarse, buff colored, and small gravel of heterogeneous composition	153-308
Gravel, small, of heterogeneous composition.	308-338
Sand, coarse, buff colored, and small gravel of heterogeneous composition	343-375
Gravel, small, of heterogeneous composition.	375-402
Quartz gravel, probably not glacial.	400-425

N 12. Jamaica Water Supply Co. Well 15-B. Elmont Road, Elmont. (5 C, 2.5 N., 2.4 W.). Drilled by Layne-New York Co., Inc., 1925-1927. Altitude 42 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand and gravel	78	78
Clay	117	195
Sand and soft clay	6	201
Clay, hard	10	211
Sand and clay	112	323
Clay	20	343
Sand and gravel	82	425

Casing: 18 to 12 inches.

Screen: 13-inch set from 365.2 to 423.2 feet.

Pumping tests:
Nov. 20, 1925. Yield: 965 gallons a minute.

June 6, 1927. Yield: 1,050 gallons a minute.

- -

N. 13. Jamaica Water Supply Co. Well 15-C. Elmont Road, Elmont. (5 C, 2.5 N., 2.4 W.). Drilled by Layne-New York Co., Inc., 1925-1927. Altitude 42 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Top soil	3	3
Sand, coarse, and gravel	38	41
Sand, coarse, loose	29	70
Clay, tough	35	105
Sand, hard, muddy	22	127
Clay, tough	33	160
Sand, muddy	19	179
Sand, fine	22	201
Clay, tough	11	212
Sand, muddy	10	222
Sand, coarse, loose	75	287
Clay	12	299
Sand, loose	20	319
Clay, tough	22	341
Sand, loose	10	351
Sand and gravel, loose	44	395
Gravel, fine	40	435

(Continued on next page)

N 13. (Continued).

Casing: 18 to 12 inches.
Screen: 13-inch set from 229.4 to 287.4 feet.

Pumping tests:
May 6, 1926. Pumping water level: 50 feet.
Yield: 1,000 gallons a minute.

Pumping water level: 62.6 feet.
Yield: 1,227 gallons a minute.

N 14. Jamaica Water Supply Co. Well 9. Hillside Blvd. & Bryant Ave., New Hyde Park. (5 C, 4.8 N., 1.5 W.). Drilled by Layne-New York Co., Inc., 1924-1925. Altitude about 75 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand and streaks of clay	59	59
Sand, white	7	66
Sand, dirty, red	14	80
Sand and gravel, white	35	115

Casing: 36 to 26 inches.
Screen: 26-inch set from 77.3 to 106.3 feet.

Pumping test:
Aug. 16, 1924. Static water level: 44 feet.
Pumping water level: 70 feet.
Drawdown: 26 feet.
Yield: 1,200 gallons a minute.
Specific capacity: 46.

N 15. Jamaica Water Supply Co. Well 16. East 4th St., south of Lawrence St., New Hyde Park. (5 C, 4.9 N., 1.6 W.). Drilled by Layne-New York Co., Inc., 1927-1928. Altitude 113 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Top soil	2	2
Sand, coarse	18	20
Sand, coarse, and small boulders	30	50
Sand, coarse, white	30	80
Sand, coarse, and gravel	6	86

(Continued on next page)

N 15. (Continued).

	Thickness (feet)	Depth (feet)
Sand, coarse, red	7	93
Sand, coarse, red, and gravel	14	107
Sand, muddy, and clay		

Casing: 36 to 26 inches.
Screen: 26-inch set from 72.5 to 101.5 feet.

Pumping tests:

Nov. 5, 1927.	Static water level:	59 feet.
	Pumping water level:	76.2 feet.
	Drawdown:	17.2 feet.
	Yield:	989 gallons a minute.
	Specific capacity:	57.
June 21, 1928.	Pumping water level:	73 feet.
	Yield:	1,160 gallons a minute.

- -

N 16. Premium Ice Co. Jericho Turnpike and Denton Ave., New Hyde Park. (5 C, 4.8 N., 0.2 W.). Drilled by Layne-New York Co., Inc., July 1936. Driller's log.

	Thickness (feet)	Depth (feet)
Soil, sandy	3	3
Sand, coarse, yellow, and gravel	83	86
Sand, yellow, and blue clay, mixed	100	186
Clay	11	197
Clay, Sandy	32	229
Sand, coarse	17	246
Clay, tough, blue	42	288
Gravel and clay	10	298
Sand, gray	39	337
Clay, sandy	24	361
Sand and gravel	71	432
Clay, sandy	13	445

Casing: 16-inches.
Screen: 8-inch Everdur set from 378.6 to 438.6 feet.

(Continued on next page)

N 16. (Continued).

Pumping test:
Sept. 22, 1936.

Static water level:	32 feet.
Pumping water level:	78 feet.
Drawdown:	46 feet.
Yield:	860 gallons a minute.
Specific capacity:	19.

Log of diffusion well. Drilled by Layne-New York Co., Inc., July 1936. Driller's log.

	Thickness (feet)	Depth (feet)
Sand, yellow, and gravel	86	86
Sand, yellow, and blue clay, mixed	7	93

Casing: 18-inch.
Screen: 30 feet of 12-inch Armco welded.

Pumping test:

Static water level:	24.6 feet.
Pumping water level:	44 feet.
Drawdown:	19.4 feet.
Yield:	1,060 gallons a minute.
Specific capacity:	55.

- -

N 17. Jamaica Water Supply Co. Well 20. Evergreen Ave., west of Denton Ave., New Hyde Park. (5 C, 5.2 N., 0.4 W.). Drilled by Layne-New York Co., Inc., in 1930. Altitude 104 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Top soil	2	2
Sand, coarse, yellow	84	86
Sand, coarse, yellow, and gravel	14	100
Sand, fine		

Casing: 38 to 26 inches.
Screen: 26-inch set from 65 to 90 feet.

Pumping test:
Oct. 14, 1930.

Static water level:	45 feet.
Pumping water level:	58 feet.
Drawdown:	13 feet.
Yield:	1,275 gallons a minute.
Specific capacity:	98.

(Continued on next page)

N 17. (Continued).

Well was deepened in June 1937 by Layne-New York Co., Inc.

	Thickness (feet)	Depth (feet)
Sand and gravel, white	25	125
Clay, soft, white	43	168
Clay, tough	1	169
Sand, fine, white	83	252
Clay, soft, white	22	274
Sand, coarse, white, muddy	39	313
Clay, white, sandy	21	334
Sand and clay, white	42	376
Clay, blue, sandy	14	390
Sand, coarse, brown	78	468
Clay, blue, sandy	8	476

Screen: 12-inch Everdur, set from 405 to 465 feet.

Pumping test:
June 17, 1937.

Static water level:	44 feet.
Pumping water level:	118 feet.
Drawdown:	74 feet.
Yield:	800 gallons a minute
Specific capacity:	11.

- -

N 18. Nassau & Suffolk Loan Assoc. Bergman Ave., near Lawrence St., New Hyde Park. (5 D, 0.1 N., 1.1 W.). Drilled by C. W. Lauman & Co., October 1935. Driller's log.

	Thickness (feet)	Depth (feet)
Top soil	3	3
Sand, coarse, and gravel	24	27
Sand, coarse, and gravel, slightly finer than above.	57	84

Casing: 4 inches.
Screen: 2-inch well point set from 80 to 83 feet.

Pumping test:
Oct. 7, 1935.

Static water level:	68 feet.
Yield:	4.6 gallons a minute.

Well is equipped with Duro electric pump having capacity of 275 gallons an hour.

N 19. Fred Schumacher. About 500 feet east of New Hyde Park Rd., about 300 feet south of Marcus Ave. (5 D, 0.3 N., 1.0 W.). Drilled by C. W. Lauman & Co., June-July 1935. Altitude about 120 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Sand, coarse	98	98
Sand, fine	23	121

Casing: 12-inch.
Screen: No. 60 slot set from 87 to 107 feet.
Static water level: 70 feet.
Yield: 375 gallons a minute.

N 20. Deepdale Country Club. (5D, 1.3 N., 2.3 W.). Drilled by Sprague & Henwood, Inc. Altitude about 200 feet above sea level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Sand, clean white and yellow, and gray sandy clay	45	45
Clay, gray, sandy	40	85
Sand, brown	15	100
Sand and gravel	45	145
Clay, gray, sandy	35	180
Clay, yellow	12	192
Sand, clean, gray	5	197
Sand and gravel	9	206
Sand, fine	2	208
Sand and gravel	8	216

N 21. Citizens Water Supply Co. Composite record of 22 wells. Cutter Mill Rd., Great Neck. (5 D, 2.0 N., 3.5 W.). Drilled by Artesian Well & Supply Co., and A. J. Connolly, 1910-1924. Altitude about 10 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand, fine, and clay	70	70
Sand, fine	30	100
Sand and clay	50	150
Sand, fine	40	190
Clay	200	390
Sand and gravel	54	444

The 22 wells range in depth from 60 feet to 464 feet.

N 22. Citizens Water Supply Co. Well 2. Cutter Mill Rd., Great Neck. (5 D, 2.0 N., 3.5 W.). Drilled by Layne-New York Co., Inc., February 1928. Altitude about 15 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand	6	6
Clay and boulders	5	11
Sand and gravel, red	62	73
Clay, blue	52	125
Sand, coarse, and gravel	30	155
Clay		

Casing: 38 to 26 inches.
Screen: 26-inch set from 125.7 to 145 feet.

Pumping test:
Static water level: 0.0 feet.
Pumping water level: 65.4 feet.
Drawdown: 65.4 feet.
Yield: 1,000 gallons a minute.
Specific capacity 16.

N 23. Citizens Water Supply Co. Cutter Mill Rd., Great Neck. (5 D, 2.0 N., 3.5 W.). Drilled by Sprague & Henwood, Inc., 1937. Driller's log.

	Thickness (feet)	Depth (feet)
Top soil and loam	5	5
Sand, coarse, yellow	15	20
Boulders and gravel	15	35
Sand and gravel	37	72
Clay and boulders	33	105
Sand, fine, yellow	7	112
Clay	8	120
Sand and gravel	37	157
Clay	5	162
Sand and gravel	34	196
Clay, boulders or layer of stones - clay at 226 feet	30	226
Rock, slate colored	3	229
Clay	8	237
Rock, layer	3	240
Clay, stony	7	247
Rock, layer	13	260
Clay	38	298
Gravel, coarse	14	312
Clay	2	314
Gravel and sand	44	358
Clay	4	362

(Continued on next page)

N 23. (Continued).

	Thickness (feet)	Depth (feet)
Sand and gravel	18	380
Clay (sample shows sand and gravel) layer of rock at 434 feet	54	434
No record	33	467
Bedrock		

Casing: 12 to 8 inch.
Screen: 8-inch set from 404 to 434 feet.

Pumping test:

Static water level:	9 feet.
Pumping water level:	78 feet.
Drawdown:	69 feet.
Yield:	700 gallons a minute.
Specific Capacity:	10.

N 24. Manhasset-Lakeville Water District. Well 33. (5 D, 2.9 N., 2.3 W.). Drilled by Sprague & Henwood, Inc., 1931. Altitude 8 feet above sea level. Record furnished by H. R. Stevens.

	Thickness (feet)	Depth (feet)
Top soil	2	2
Clay, soft, blue	4	6
Sand and gravel, loose, brown (wood encountered at 18 feet)	32	38
Sand, coarse, and boulders	7	45
Sand, brown	20	65
Sand, coarse, gray	95	160
Sand, hard	14	174
Clay, hard, blue	42	216
Clay, blue, and boulders	2	218
Clay, hard blue	29	247
Boulders	1	248
Clay, hard, blue	25	273
Sand, coarse, and gravel	29	302
Boulders	8	310
Sand and gravel with hard streaks	23	333
Sand, coarse, and gravel	21	354
Sand and gravel, coarse, loose	74	428
Boulders and clay	22	450
Clay, hard, blue, and boulders	4	454
Clay, hard, blue, with hard streaks	6	460
Rock		

(Continued on next page)

N 24. (Continued).

Casing: 18 to 12 inches.
Screen: 12-inch set from 360 to 370 feet and from 398 to 428 feet.

Pumping test:
Feb. 1, 1931.

Static water level:	12.4 feet above sea level (flows).
Pumping water level:	71 feet.
Drawdown:	75 feet.
Yield:	1,200 gallons a minute.
Specific capacity:	16.

N 25. Manhasset-Lakeville Water District. Well 1. In Manhasset, in well field at south end of Manhasset Bay, north of Long Island Railroad; North Shore Division. (5 D, 2.9 N., 2.3 W.). Drilled by Hoban Construction Co. Diameter 8 inches. Depth about 147 feet. Measuring point: top of 8-inch flange, 4.3 feet above land surface, altitude 17.84 feet above mean sea level.

An automatic water-stage recorder was in operation on this well from April 18, 1932 to December 15, 1932.

Lowest water level in feet above mean sea level
(from recorder charts)

Date	Water Level	Date	Water Level	Date	Water Level
1932		1932		1932	
Apr. 19	13.70	July 1	10.64	Oct. 1	10.61
May 1	13.67	Aug. 1	12.95	Nov. 1	12.93
June 1	10.89	Sept.1	10.27	Dec. 1	13.09

More detailed water level data are available in the Jamaica office of the U. S. Geological Survey.

N 26. Vanity Fair Laundry. East Shore Rd., and Wooleys Lane, Great Neck. (5 D, 3.3 N., 2.5 W.). Drilled by C. W. Lauman & Co., July 1935. Altitude about 30 feet above sea level. Information obtained from driller.

Entire depth, sand and gravel, except for two thin layers of clay.

Depth: 74.5 feet.
Casing: 8-inch.
Screen: 30 slot Johnson Everdur set from 68 to 76 feet.

(Continued on next page)

N 26. (Continued).

Pumping test:

Aug. 21, 1935.	Static water level:	4.5 feet.
	Pumping water level:	35 feet.
	Drawdown:	30.5 feet
	Yield:	150 gallons a minute.
	Specific capacity:	5.

N 27. Carlton Amusement Corporation, Plandome Rd., and Orchard St., Manhasset. (5 D, 3.4 N., 1.8 W.). Drilled by Sweeney & Gray Co., Inc., November 1936. Driller's log.

	Thickness (feet)	Depth (feet)
Sand and clay, brown	55	55
Sand, white, and white clay.	41	96
Clay, white.	22	118
Sand, gravel, and clay, white.	30	148
Sand, white, and white clay.	50	198
Gravel, white.	27	225

Casing: 8-inches.
Screen: 8-inch set from 211 to 225 feet.

Pumping test:

Nov. 17, 1936.	Static water level:	71 feet.
	Pumping water level:	86 feet.
	Drawdown:	15 feet.
	Yield:	250 gallons a minute.
	Specific capacity:	17.

Diffusion well. Drilled by Sweeney & Gray Co., Inc., November 1936.

Depth: 215 feet.
Casing: 8-inch.
Screen: 8-inch set from 198 to 215 feet.

N 28. Village of Plandome. Well 1. About 100 yards southwest of Plandome Railroad Station. (5 D, 4.0 N., 1.5 W.). Drilled by C. W. Lauman & Co., October 1934. Altitude 28.3 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Loam	2	2
Gravel, red, with large stones 1 to 4 inches in diameter.	.7	2.7

(Continued on next page)

N 28. (Continued).

	Thickness (feet)	Depth (feet)
Sand, coarse, brown, dirty and heavy gravel with stones up to 3 inches in diameter.	8.3	11
Clay, gray, with very fine gray sand	20	31
Clay, gray, streaks of sandy clay.	28	59
Clay, gray, sandy, and very fine sand.	12	71
Stones, large, mixed with clay and sand.	1	72
Sand, very fine, gray, about 10 per cent clay, some mica, quartz, stones, and wood.	12	84
Sand, fine, brown.	5	89
Sand, coarse, light brown.	8	97
Sand, very coarse, brown, and gravel up to 3/4 inch in diameter, with a few cobbles	45	142
Clay, gray, sandy.		

Casing: 12-inch.
Screen: 12-inch Johnson Everdur No. 60 slot, set from 111.8 to 136.8 feet.

Static water level: 5.5 feet.
Yield: 436 gallons a minute with 49-foot drawdown.
346 gallons a minute with 39-foot drawdown.
263 gallons a minute with 31-foot drawdown.

N 29. Village of Plandome. Well 2, 317 feet south and slightly west of Well 1, about 125 feet west of railroad. (5 D, 4.0 N., 1.5 W.). Drilled by C. W. Lauman & Co., December 1934. Altitude 29.2 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Top soil, marsh muck, and vegetation	2	2
Loam, gravel, and fine sand.	6	8
Clay, very fine, sandy, gray	61	69
Sand, coarse, and gravel, a few cobbles up to 3 inches in diameter.	8	77
Sand, brown, and gravel.	12	89
Sand, medium to coarse, yellowish-brown.	10	99
Sand, finer than preceding, yellowish-brown.	9	108
Sand, very fine, gray, considerable clay and mica. . . .	21	129
Sand, very fine, and gray clay	14	143
Sand, fine, light brown, considerable mica	20	163
Sand, fine, gray, and clay, considerable mica.	7	170
Sand, fine, gray, and clay, considerable mica, some coarse sand and gravel	5	175
Sand, coarse, white, clean, and small gravel	10	185

(Continued on next page)

N 29. (Continued)

	Thickness (feet)	Depth (feet)
Sand, very coarse, brown, and small gravel	17	202
Sand, finer than above, white	1	203
Sand, very fine, small amount of clay, considerable mica	3	206

Casing: 12-inch.

N 30. Citizens Water Supply Co. Well 1. Wildwood Rd., and Cherry Lane, Kings Point. (5 D, 4.5 N., 3.9 W.). Drilled by Layne-New York Co., Inc., May 1928. Altitude about 20 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Sand, yellow	55	55
Gumbo	12	67
Clay, sandy, and boulders	48	115
Sand, gravel, and blue clay	14	129
Hardpan	20	149
Sand and gravel	55	204
Hardpan and tough clay	8	212

Casing: 24 to 16 inches.
Screen: 16-inch set from 164.3 to 203 feet.

Pumping test:

Static water level:	7.5 feet.
Pumping water level:	127.8 feet.
Drawdown:	120.3 feet.
Yield:	900 gallons a minute.
Specific capacity	7.

N 31. Citizens Water Supply Co. Well 4. Wildwood Rd., and Cherry Lane, Kings Point. (5 D, 4.5 N., 3.9 W.). Drilled by Layne-New York Co., Inc., June 1931. Altitude about 20 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Top soil, black	3	3
Clay, sandy	12	15
Sand, gray	14	29
Clay, blue	24	53
Clay and boulders	21.8	74.8
Sand and clay	21.7	96.5
Clay and boulders	14.1	110.6

(Continued on next page)

N 31. (Continued).

	Thickness (feet)	Depth (feet)
Sand, dark	18	128.6
Clay, red	42.2	170.8
Sand, gray	66.2	237
Sand and stone	2	239

Screen: 18-inch set from 173 to 233 feet.
12-inch set from 183 to 211 feet.

Pumping test:
Static water level: 0.0 feet.
Pumping water level: 95 feet.
Drawdown: 95 feet.
Yield: 1,260 gallons a minute.
Specific capacity: 13.

N 32. Port Washington Water District. Composite log of 3 deep wells. (5 E, 0.2 N., 1.6 W.). Altitude about 23 feet above sea level. Record furnished by City of New York, Department of Water Supply, Gas & Electricity.

	Thickness (feet)	Depth (feet)
Loam and sand	14	14
Clay	6	20
Sand, water-bearing	20	40
Clay and hardpan	10	50
Sand and gravel, water-bearing	40	90
Clay	20	110
Stones, boulders, and sand	90	200
Clay	4	204
Sand, water-bearing	40	244
Clay and hardpan, some charcoal	41	285
Gravel	104	389
Bedrock		

Well 1. 322 feet deep, yield 400 gallons a minute.
Well 2. 413 feet deep, yield 500 gallons a minute.
Well 3. 395 feet deep, yield 500 gallons a minute.

There are five additional shallow wells (numbers 4 to 8), with average depth of 92 feet, drilled 1925 to 1930. Combined yield, 800 gallons a minute.

N 33. Port Washington Water District. Deep well 5. About 30 feet south of Sandy Hollow Rd., and about 1/8 mile east of Harbor Rd., (5 E, 0.2 N., 1.6 W.). Test hole drilled by Sprague & Henwood, Inc., November 1935. Driller's log.

	Thickness (feet)	Depth (feet)
Top soil and grits	5	5
Sand, coarse, and gravel, yellow	15	20
Clay, yellow	2	22
Sand, fine, black	2	24
Clay, yellow	2	26
Sand, coarse, and gravel	32	58
Sand, with particles of blue clay	43	101
Clay, blue, and light brown	131	232
Boulders in clay	7	239
Gravel and sand	16	255
Gravel, coarse, and boulders	2	257
Sand and gravel	10	267
Sand, loose	20	287
Gravel, coarse, and boulders	43	330
Clay	35	365
Rock, rotten	3	368
Rock, solid	1	369

Casing: 8-inch.

Pumping test:
Feb. 14, 1936.

Static water level:	22 feet.
Pumping water level:	113.5 feet.
Drawdown:	91.5 feet.
Yield:	850 gallons a minute.
Specific capacity:	9.

N 34. Port Washington Water District. (5 E, 0.4 N., 1.5 W.). Drilled by Redpath & Potter, March 1934. Altitude about 30 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Gravel and hardpan	60	60
Clay	7	67
Gravel, gray, up to 1/2 inch in diameter	100	167
Hardpan and soft sand		

N 35. Port Washington Water District. (5 E, 0.4 N., 1.5 W.). Drilled by Redpath & Potter, March 1934. Altitude about 20 feet above sea level. Record furnished by owner.

Casing:	16 to 12 inches.
Depth:	387 feet.
Screen:	100 feet of 12-inch.
Static water level:	17 feet.
Yield:	750 gallons a minute.
Drawdown:	40 feet.

N 36. Village of Sands Point. Well 1. Northeast of Old Sands Point Rd., and about 0.4 mile northwest of Barkers Point Rd., Sands Point. (5 E, 1.3 N., 2.6 W.). Drilled by Sprague & Henwood, Inc., February 1937. Log compiled by G. H. Clark from examination of samples.

	Thickness (feet)	Depth (feet)
Top soil	6	6
Sand, medium, grayish brown, somewhat clayey . . .	9	15
Sand, coarse, rusty brown, and coarse gravel . . .	40	55
Sand, coarse, brown, some dark grains, and some mica.	35	90
Sand, fine, clayey, grayish brown, at.		93
Sand, fine, clayey, gray at		101
Sand, fine, clayey, at		105
Sand, medium, brownish gray, many dark grains, at		110
Sand, fine, gray, fewer dark grains, at		115
Sand, fine, gray, at		120
Sand, very fine, gray, clayey, at.		125
Sand, fine, brown, many dark grains at		130
Sand, fine, brown, at		135
Sand, coarse, and brown gravel	5	145
Gravel and coarse, light brown sand, pebbles of heterogeneous composition	5	150
Gravel, and coarse, rusty-brown, SAND pebbles of heterogeneous composition	10	160
Sand, and gravel, clayey, gray, nodules of gray clay	5	165
Sand, coarse, and small gravel, clean, light tan .	5	170
Sand, coarse, white, at.		175
Sand, coarse, white, at.		180
Sand, fine, white, clayey, at.		185
Sand, fine, white, clayey, and gravel, at.		190
Sand, medium to coarse, light, at.		195
Sand, medium to coarse, light.	5	200
Sand, coarse, white, clean, at		205
Gravel, coarse, light gray	5	210
Gravel, coarse, light gray, and pebbles.	4	214
Clay, light gray, at.		216

(Continued on next page)

N 36. (Continued).

	Thickness (feet)	Depth (feet)
Clay, light gray, at		220
Sand, medium to fine gray, many dark grains, at		225
Sand, fine, gray, clayey, many dark grains	15	245
Pieces of bedrock, weathered, at		265
Sand, dark gray (decayed bedrock), at		270
Decayed bedrock, at		280

N 37. Village of Sands Point. Well 2. Northeast of Old Sands Point Rd., and about 0.4 mile northwest of Barkers Point Rd., Sands Point. About 250 feet east of well 1. (5 E, 1.3 N., 2.6 W.). Drilled by Sprague & Henwood, Inc., July 1937. Driller's log.

	Thickness (feet)	Depth (feet)
Top soil	6	6
Sand and hard clay	5	11
Sand, coarse, muddy, and small gravel	9	20
Sand, coarse, and small gravel	10	30
Gravel	10	40
Sand, coarse, with small gravel	5	45
Sand, coarse, light	5	50
Sand, fine, brown	5	55
Sand, coarse, light	5	60
Sand, fine, light	5	65
Sand, coarse, brown	15	80
Sand, coarse, light, with some small gravel	5	85
Sand, coarse, light, and small gravel	5	90
Gravel, small	10	100
Sand, with clay	15	115
Sand, coarse, light, with small gravel	5	120
Gravel, clean	5	125
Gravel, small	5	130
Sand, coarse, with small gravel	5	135
Gravel, small	5	140
Grit, small, muddy	5	145
Clay, dark, with gravel	13	158
Sand, white - water-bearing	7	165
Sand, coarse, light, with white clay	15	180
Sand, with trace of white clay	5	185
Sand, coarse, white, with white clay	5	190
Sand, coarse, light brown	5	195
Sand, coarse, white, with white clay	15	210
Clay, sandy, yellow	9	219
Mica rock (decomposed bedrock)	1	220

N 38. Harry F. Guggenheim, Sands Point. (5 E, 1.7 N., 1.4 W.). Drilled by C. W. Lauman & Co., July - October 1934. Altitude, 74.5 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Loam, boulders, gravel	11.6	11.6
Gravel, boulders, and some sand	21.4	33
Gravel and sand	21	54
Sand, coarse	31.2	85.2
Clay, sandy, and gravel	19.8	105
Clay, sandy, gray, and gravel	11	116
Sand and hard gray clay	10	126
Clay, hard, sandy, gray	12	138
Clay, fine, gray, sandy	13.5	151.5
Sand, fine, gray	75.6	227.1
Clay, gray, sandy	8.4	235.5
Clay	17.8	253.3
Clay, gray	37.2	290.5
Clay, gray, somewhat sandy	1	291.5
Clay, gray	34.5	326
Clay, gray, with about 10 per cent sand	3	329
Clay, sandy	45	374
Sand, and gravel (boulders at 394.5 feet)	21	395
Sand, coarse	8	403
Sand, coarse, clean	2	405
Clay and gravel, mixed	1	406
Sand, coarse, and some gravel	3	409
Sand and gravel, mixed with clay	6	415
Bedrock	2	417

Casing: 8 inches.
Screen: 8-inch Johnson No. 100 slot, set from 382 to 396 feet.

Pumping test:
Dec. 11, 1934. Static water level: 68 feet.
Drawdown: 57.8 feet.
Yield: 264 gallons a minute.
Specific capacity: 5.

N 39. Sands Point Police Station, Sands Point. (5 E, 2.0 N., 3.1 W.). Drilled by C. W. Lauman & Co., January 1935. Altitude about 5 feet above sea level. Description by H. R. Blank from examination of samples.

	Thickness (feet)	Depth (feet)
Top soil and filled ground	4	4
Sand, gray, fine, clayey	17	21

(Continued on next page)

N 39. (Continued).

	Thickness (feet)	Depth (feet)
Sand, coarse, and small gravel, chiefly white quartz, probably glacial, a few blue and rusty grains, very poorly sorted.	2	23
Sand, fine, brown, considerable mica	32	55
Clay, fine, gray, sandy, contains some mica.	17	72
Clay, fine, gray, sandy, with lumps of clay.	11	83
Clay	31	114
Sand, very fine, considerable mica	13	127
Sand, fine to medium - water bearing	5	132
Gravel and coarse sand	6.4	138.4

Casing: 4 inches.
Screen: 4-inch No. 20 slot Johnson Everdur set from 134.4 to 138.4 feet.
Static water level: 4 feet.

- -

N 40. City of Long Beach. Well 2. South side of Water Department Yard. (6 B, 0.6 N., 4.0 W.). Drilled by A. J. Connolly in 1921 to 1922. Altitude about 5 feet above sea level.

This well was deepened to 1,300 feet by Layne-New York Co., Inc., during April-May 1937. On September 27, 1937 temperature of well water was 60.1° F., and chloride (Cl) content was 9 parts per million.

- -

N 41. City of Long Beach. Well 3. (Layne-New York Co., Inc., No. 1). East side of Water Department Yard. (6 B, 0.6 N., 4.0 W.). Drilled by Layne-New York Co., Inc., October 1923. Altitude about 5 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Mud and sand	40	40
Sand, coarse	51	91
Sand	48	139
Clay, soft, and sand	38	177
Sand	97	274
Gumbo.	34	308
Sand, hard packed.	56	364

(Continued on next page)

N 41. (Continued).

	Thickness (feet)	Depth (feet)
Gumbo	21	385
Sand, packed	67	452
Sand	51	503
Sand, packed	42	545
Sand	83	628
Sand, hard packed	104	732
Sand, rock	49	781
Sand, packed	25	806
Rock (?)	36	842
Boulders and sand	25	867
Gumbo	27	894
Boulders and sand	21	915
Sand, muddy	27	942
Sand, hard	45	987
Sand, muddy	39	1,026
Gumbo	16	1,042
Sand, white	48	1,090
Sand, hard packed	15	1,105
Sand, loose	28	1,133
Gumbo	15	1,148
Sand	83	1,231

Casing: 18 to 10 inches.
Screen: 10-inch set from 1,091 to 1,135 feet.
6-inch set from 1,095 to 1,135 feet.
Static water level: 12 feet above sea level.
Yield: 750 gallons a minute.

N 42. City of Long Beach. Well 4. (Layne-New York Co., Inc., No. 2). North side of Water Department Yard. (6 B, 0.6 N., 4.0 W.). Drilled by Layne-New York Co., Inc., March 1929. Altitude about 5 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Old fill	10	10
Sand, fine	54	64
Sand, coarse, brown, and gravel	65	129
Sand, green, muddy	51	180
Clay, sandy	47	227
Clay, hard, blue	34	261
Sand, fine, hard, muddy	44	305
Clay, hard sandy	73	378
Clay, tough, blue	36	414
Sand, hard packed, streaks of clay	44	458

(Continued on next page)

N 42. (Continued).

	Thickness (feet)	Depth (feet)
Clay and boulders	22	480
Clay, hard packed, sandy	31	511
Sand, hard, with some gravel	56	567
Sand, and loose gravel	44	611
Clay, blue, and boulders	21	632
Clay	151	783
Boulders and clay	38	821
Sand, rock	7	828
Clay	110	938
Sand	10	948
Clay, red	71	1,019
Sand	20	1,039
Gumbo	6	1,045
Sand, white	44	1,089
Clay, red	10	1,099
Sand, coarse	31	1,130
Clay, hard	10	1,140
Sand, coarse	24	1,164
No record	16	1,180
Sand, white	23	1,203

Casing: 18 to 8 inches.
Screen: 13-inch set from 550 to 608 feet.
8-inch set from 1,144 to 1,184 feet.

Pumping test:
April 4, 1929.
Static water level: Flowing.
Pumping water level: 67 feet.
Drawdown: 67+feet.
Yield: 840 gallons a minute.

N 43. City of Long Beach. Well 5. (Layne-New York Co., Inc. No. 3). Magnolia Blvd., and Water St., (5 B, 0.6 N., 0.1 W.). Drilled by Layne-New York Co., Inc., May 1929. Altitude about 5 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Sand and gravel	90	90
Sand, fine	60	150
Clay	5	155
Sand	80	235
Clay, sandy	40	275
Clay	35	310
Clay, soft, sandy	20	330

(Continued on next page)

N 43. (Continued).

	Thickness (feet)	Depth (feet)
Sand, coarse, and gravel	25	355
Sand and clay, in streaks	65	420
Sand, coarse, and gravel	43	463
Clay, tough, in streaks	27	490
Clay, soft, and sand, in streaks	75	565
Sand, coarse, and gravel	55	620
Clay, tough, pink	47	667
Sand, medium	59	726
Clay	14	740
Sand and gravel	57	797
Clay	16	813
No record	13	826
Boulders and sand	24	850
Clay and boulders	65	915
Clay, tough	37	952
Sand and streaks of clay	78	1,030
Sand and gravel	110	1,140
Gumbo	27	1,167
No record	3	1,170
Sand and gravel	105	1,275
Clay	10	1,285

Casing: 18 to 8 inches.
Screen: 8-inch set from 1,193 to 1,264 feet.

Pumping test:
May 7, 1929.

Static water level:	Flowing.
Pumping water level:	68 feet.
Drawdown:	68+ feet.
Yield:	980 gallons a minute.

N 44. City of Long Beach. Well 6. (Layne-New York Co., Inc. No. 4). Laurelton Blvd., and Pine St., (5 B, 0.6 N., 0.4 W.). Drilled by Layne-New Co., Inc., June 1929. Altitude about 5 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Sand, and gravel, brown	60	60
Clay and sand, in streaks	150	210
Clay, tough	20	230
Sand and streaks of clay	170	400
Sand and gravel	30	430
Clay, tough, in streaks	25	455

(Continued on next page)

N 44. (Continued).

	Thickness (feet)	Depth (feet)
Sand and streaks of soft clay.	48	503
Sand	17	520
Sand and streaks of clay	33	553
Sand and gravel.	38	591
Clay	7	598
Sand	17	615
Streaks of clay.	27	642
Clay and sand in streaks	45	687
Clay and boulders.	30	717
Sand and streaks of clay	40	757
Clay	9	766
Sand, gravel, and streaks of clay.	26	792
Clay	12	804
Clay and boulders.	60	864
Sand and clay, in streaks.	35	899
Clay, soft	17	916
Sand	9	925
Clay, tough.	40	965
Sand	19	984
Clay, and streaks of sand.	29	1,013
Clay and boulders.	20	1,033
Sand	37	1,070
Clay and boulders.	23	1,093
Sand	15	1,108
Sand and streaks of clay	25	1,133
Sand and gravel.	20	1,153
Clay and boulders.	30	1,183
Sand and gravel.	100	1,283

Screen: 8-inch set from 1,189 to 1,259 feet.
Pumping test: Static water level: Flowing.
Pumping water level: 66 feet.
Drawdown: 66+ feet.
Yield: 960 gallons a minute.

N 45. City of Long Beach. Well 7. (Layne-New York Co., Inc. No. 5.) West Park and Indiana Aves. (5 B, 0.3 N., 1.5 W.). Drilled by Layne-New York Co., Inc., September 1930. Altitude about 5 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Sand	47	47
Mud black.	3	50
Sand, muddy.	81	131

(Continued on next page)

N 45. (Continued).

	Thickness (feet)	Depth (feet)
Clay, sandy	100	231
Sand and gravel	20	251
Sand and streaks of clay	90	341
Sand	40	381
Streaks of tough clay	52	433
Sand and gravel	43	476
Clay, tough	20	496
Clay, hard, sandy	80	576
Clay, tough	11	587
Sand and gravel, with streaks of clay	50	637
Sand and gravel	40	677
Clay, sandy	23	700
Clay, tough, red	20	720
Sand and gravel	40	760
Sand and clay	20	780
Clay and boulders	40	820
Sand with streaks of clay	50	870
Clay, tough	27	897
Sand and clay	20	917
Sand, gravel, and clay	55	972
Clay, sandy	18	990
Clay, tough	18	1,008
Clay, soft	9	1,017
Sand and gravel	103	1,120
Clay, sandy	13	1,133

Screen: 8-inch set from 1,052 to 1,122 feet.

Pumping test:
Static water level: Flowing.
Pumping water level: 28 feet.
Drawdown: 28+ feet.
Yield: 1,050 gallons a minute.

N 46. Channell Management Corp. Point Lookout. Well located about 500 feet north of Lido Blvd., and about 900 feet west of Hempstead Park. (6 B, 0.6 N., 0.3 W.). Drilled by Layne-New York Co., Inc., June 1937. Driller's log.

	Thickness (feet)	Depth (feet)
Sand, clay streaks	816	816
Sand	46	862
Sand and clay	49	911
Clay	276	1,187

(Continued on next page)

N 46. (Continued).

	Thickness (feet)	Depth (feet)
Sand, gravel, and boulders	74	1,261
Clay	30	1,291

Casing: 18 to 8 inches.
Screen: 16-inch Layne Shutter Everdur set from 1,200 to 1,260 feet.

Pumping test:
July 2, 1937.

Static water level:	9 feet above land surface.
Pumping water level:	10 feet below land surface.
Drawdown:	19 feet.
Yield:	830 gallons a minute.
Specific capacity:	44.

N 47. Colonial Beacon Oil Co., at rear of plant on Hampton Rd., about 30 feet from Channel, west of Long Island Railroad, south of Oceanside station, Oceanside. (6 B, 2.6 N., 3.6 W.). Drilled by C. W. Lauman & Co., May 1934. Altitude 6 feet above sea level. Description by G. H. Clark from examination of samples furnished by driller.

	Thickness (feet)	Depth (feet)
Sand, with nodules of black clay	6	6
Sand and muck.	12	18
Sand, brown, medium to fine, contains numerous black grains.	6	24
Sand, light brown, coarse, and small gravel, a few black grains.	14	38
Gravel, medium to coarse, poorly sorted.	7	45
Sand, light gray, coarse, some small gravel.	9	54
Sand, medium, light gray, some black grains, large gravel.	4	58
Clay, somewhat sandy, dark gray, and gravel.	24	82
Clay, dark gray, silty, and large gravel and pebbles	2	84
Clay, dark gray, tough	17	101
Sand, coarse, gray, and gravel	7	108
Sand, coarse, light gray	7	115
Sand, coarse, brown, and gravel.	11	126
Sand, coarse, brown, contains many black grains.	10	136
Sand, medium, gray	1	137
Sand, medium to fine, light gray	10	147
Sand, fine, light gray	20	167
Sand, fine to coarse, dark gray.	13	180
Sand, medium, dark gray.	2	182

(Continued on next page)

N 47. (Continued).

Casing:	4-inch.
Screen:	15 feet of No. 26 slot Anaconda brass, set at bottom.
Yield:	80 gallons a minute - 22-inch vacuum.

N 48. Village of Rockville centre. Well 1. (6 B, 5.0 N., 3.8 W.). Drilled by Layne-New York Co., Inc., July 1927. Altitude 17.5 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Sand, coarse, red, and gravel.	55.8	55.8
Clay, sandy.	52.5	108.3
Clay, sandy, soft blue	65	173.3
Sand, hard, fine	21.7	195
Clay, soft, blue	27.8	222.8
Sand, muddy.	21.4	244.2
Clay, tough.	9.8	254
Sand, fine, white - water-bearing.	30.8	284.8
Clay, hard	8	292.8
Sand, fine, white - water-bearing.	38.6	331.4
Clay	20.9	352.3
Boulders	2	354.3
Sand, white.	29.3	383.6
Clay, tough, blue.	27.8	411.4
Sand, coarse, white.	51.9	463.3
Clay, muddy.	2	465.3
Sand, coarse, white, and gravel.	52.1	517.4
Clay	6	523.4

Pumping tests:		
	Static water level:	5 feet.
	Pumping water level:	79 feet.
	Drawdown:	74 feet.
	Yield:	1,095 gallons a minute.
	Specific capacity:	15.
	Static water level:	5 feet.
	Pumping water level:	80 feet.
	Drawdown:	75 feet.
	Yield:	1,233 gallons a minute.
	Specific capacity:	16.

N 49. Village of Rockville Centre. Well 2. (6 B, 5.0 N., 3.8 W.). Drilled by Layne-New York Co., Inc., August 1927. Altitude 16.8 feet above sea level. Driller's log.

(Continued on next page)

N 49. (Continued).

	Thickness (feet)	Depth (feet)
Old railroad fill	15	15
Sand, red, and gravel	47	62
Clay, soft, sandy	28	90
Sand, fine, white	10	100
Clay, soft, blue	34	134
Sand, fine, gray	9	143
Clay, soft, sandy	10	153
Sand, fine, muddy	30	183
Clay, soft, blue	52	235
Sand, soft, muddy	24	259
Clay, tough	5	264
Sand, hard	10	274
Sand, soft, silty	19	293
Clay, tough, blue	5	298
Sand, hard, white	37	335
Clay, soft, sandy in streaks	20	355

Pumping tests:

Static water level:	5.0 feet.
Pumping water level:	75.5 feet.
Drawdown:	70.5 feet.
Yield:	834 gallons a minute.
Specific capacity	12.

Static water level:	5.0 feet.
Pumping water level:	83.3 feet.
Drawdown:	78.3 feet.
Yield:	922 gallons a minute.
Specific capacity	12.

- -

N 50. Village of Rockville Centre. Well 3. (6 B, 5.0 N., 3.8 W.). Drilled by Layne-New York Co., Inc., March 1929. Altitude 16.9 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Sand, coarse, and gravel	106	106
Clay	21	127
Clay, soft, sandy	47	174
Sand, fine, white	32	206
Sand, fine, muddy	40	246
Clay, soft	9	255
Clay, hard	11	266
Sand, hard, fine	25	291
Clay, hard	11	302
Sand, coarse	38	340

(Continued on next page)

N 50. (Continued).

	Thickness (feet)	Depth (feet)
Clay, soft	4	344
Sand, fine	19	363
Clay, tough	6	369
Sand, fine, and clay	21	390
Clay, tough	22	412
Clay, soft, and sand	10	422
Clay, tough	18	440
Sand, coarse	22	462
Clay	5	467
Sand, coarse, and gravel	53	520
Clay	8	528

Casing: 18-10 inches.
Screen: 10-inch set from 441.8 to 462.7 feet, and from 473 to 513 feet.

Pumping test:
Aug. 5, 1929.

Static water level:	11 feet.
Pumping water level:	42 feet.
Drawdown:	31 feet.
Yield:	1,350 gallons a minute
Specific capacity:	44.

- -

N 51. City of New York, Department of Water Supply, Gas & Electricity. Well 1. North end of Smith Pond. (6 B, 5.6 N., 3.5 W.). Drilled by owner in 1909. Altitude about 15 feet above sea level. Record compiled by W. O. Crosby.

	Thickness (feet)	Depth (feet)
Sand, yellow, and fine gravel	2	2
Gravel and sand, light yellow, no granite	2	4
Clay, white to buff, plastic, some sand, no lignite.	1	5
Clay, gray, sandy, no lignite	12	17
Sand, medium, buff, micaceous, no lignite	7	24
Sand and gravel, light gray, micaceous, no granite	7	31
Sand, medium to coarse, buff, and fine gravel, trace of lignite	11	42
Gravel, buff to white quartz, no granite	15	57
Gravel, yellow to white, fine, and sand, no granite.	3	60
Clay, dark gray, sandy, no lignite, no mica	1	61
Sand, gray, micaceous, some clay, considerable lignite	9	70
Sand, gray, micaceous, some clay, no lignite	5	75
Clay, gray, sandy, with some lignite	5	80

(Continued on next page)

N 51. (Continued)

	Thickness (feet)	Depth (feet)
Clay, gray, sand and gravel, considerable lignite. .	4	84
Sand, fine to medium, buff, micaceous, no lignite. .	2	86
Sand, coarse, gray, and fine gravel, and gray sandy clay.	3	89
Clay, gray, sandy and micaceous, and white quartz gravel.	3	92
Sand, medium to coarse, light gray, no lignite . . .	1	93
Sand, fine to medium, dark gray, considerable lignite		

- -

N 52. Village of Rockville Centre. Well 4. Maple & Morris Aves. (6 B, 5.0 N., 3.0 W.). Drilled by Layne-New York Co., Inc., December 1930. Altitude 27.8 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Fill	10	10
Sand, coarse, brown, and gravel.	39	49
Clay, soft	68	117
Sand, hard	8	125
Sand, soft, gray	37	162
Clay, tough.	16	178
Sand, muddy.	11	189
Sand, fine, gray	50	239
Clay, soft	26	265
Sand, hard	14	279
Clay, hard, sandy.	29	308
Clay, tough.	17	325
Sand, hard	37	362
Clay, tough.	21	383
Sand, hard	22	405
Clay, tough	3	408
Sand, hard	38	446
Clay, hard	4	450
Sand, coarse, and gravel	59	509
Clay	1	510
Sand, hard	30	540
Clay, tough.	10	550

Pumping test:		
	Static water level:	17.3 feet.
	Pumping water level:	63 feet.
	Drawdown:	45.7 feet.
	Yield:	1,500 gallons a minute.
	Specific capacity	33.

N 53. Village of Rockville Centre abandoned shallow well, in basement of municipal power station, Morris Ave. & Maple Ave. (6 B, 5.0 N., 3.0 W.). Diameter 8 inches, depth below top of pipe, 46.3 feet. Measuring point: Top of 8-inch casing, about level with concrete floor, about 5 feet below land surface, and 21.21 feet above mean sea level.

An automatic water-stage recorder was operated on this well from January 21 to August 22, 1934. Thereafter water-level measurements have been made each week.

Water level in feet above mean sea level

Date	Water Level	Date	Water Level	Date	Water Level
1934		1935		1936	
Jan. 21	14.78	Mar. 29	15.26	Oct. 3	13.20
Feb. 1	14.65	Apr. 26	14.85	Oct. 31	12.90
Mar. 1	14.20	June 7	14.16	Nov. 28	12.64
Apr. 1	15.07	Aug. 5	13.31	1937	
May 1	15.67	Sept. 4	13.19	Jan. 2	14.18
June 1	15.56	Oct. 1	12.84	Jan. 30	14.85
July 1	15.08	Nov. 1	12.57	Feb. 27	14.77
Aug. 1	14.39	Dec. 3	12.55	Apr. 3	14.69
Aug. 31	13.81	Dec. 31	12.37	May 1	14.74
Sept. 28	14.50	1936		May 29	14.43
Nov. 2	14.35	Apr. 11	14.58	July 3	14.02
Nov. 30	14.07	May 2	14.73	July 31	13.57
1935		May 30	14.21	Sept. 4	13.10
Jan. 4	14.14	July 3	13.87	Oct. 2	12.99
Feb. 1	14.57	July 31	13.45	Oct. 30	13.08
Mar. 1	15.37	Sept. 4	12.91	Dec. 4	13.35

More detailed water level data are available in the Jamaica office of the U. S. Geological Survey.

- -

N 54. City of New York, Department of Water Supply, Gas & Electricity. Rockville Centre Pumping Station. (6 B, 5.1 N., 2.4 W.). Altitude about 28 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand and gravel, yellowish	32	32
Sand, fine, light colored	9	41
Sand and gravel	7	48
Clay, wood, and iron pyrite	14	62
Sand, coarse	2	64
Clay, white, red, and blue, with sand and gravel	8	72
Clay, yellow and white	4	76

(Continued on next page)

N 54. (Continued).

	Thickness (feet)	Depth (feet)
Sand, medium, gray	8	84
Sand, medium to coarse, light colored	7	91
Sand, medium, white	10	101
Clay		

N 55. City of New York, Department of Water Supply, Gas & Electricity. Test well. Baldwin. (6 B, 4.8 N., 2.0 W.). Altitude about 11 feet above sea level. Record compiled by W. O. Crosby.

	Thickness (feet)	Depth (feet)
Sand, yellow, and gravel	25	25
Sand, dark, clayey, and lignite	6	31
Sand, gray, and shells	3	34
Clay, gray, sandy, micaceous	30	64
Sand, coarse, gray, and some clay	4	68

N 56. City of New York, Department of Water Supply, Gas & Electricity. Test well. Baldwin. (6 B, 4.8 N., 2.0 W.). Altitude about 11 feet above sea level. Record compiled by W. O. Crosby.

	Thickness (feet)	Depth (feet)
Sand, yellow, and gravel, traces of granite	25	25
Sand, very fine, and lignite	6	31
Sand, fine, white, and shells	3	34
Clay, gray, sandy	30	64
Sand, coarse, gray, and gravel, and lignite	9	73
Sand, very fine, white, micaceous	3	76
Gravel, coarse, quartz	1	77
Sand, cemented by pyrite	1	78
Sand, and gravel, white	1	79

N 57. City of New York, Department of Water Supply, Gas & Electricity. California Supply Well 1. Baldwin. (6 B, 4.8 N., 2.0 W.). Altitude 11 feet above sea level. Record compiled by W. O. Crosby.

(Continued on next page)

N 57. (Continued).

	Thickness (feet)	Depth (feet)
Sand, coarse to fine, yellow, and fine to coarse gravel with traces of granite	30	30
Sand, medium to coarse, gray, and shells	6	36
Gravel, coarse, black, no granite	2	38
Clay, dark gray, and lignite	21	59
Clay, gray, sandy near base	17	76
Clay, dark brown	4	80
Sand, medium, white, micaceous, and traces of lignite	5	85
Gravel, coarse, white, and cementing pyrite	2	87
Sand, medium, white, micaceous, and lignite	19	106
Clay, gray, sandy, and lignite	13	119
Clay, dark gray, abundant pyrite	9	128
Sand, fine, gray, and a little clay with lignite and pyrite	22	150

N 58. City of New York, Department of Water Supply, Gas & Electricity. California Supply Well 2. Baldwin. (6 B, 4.8 N., 2.0 W.). Altitude about 11 feet above sea level. Record compiled by W. O. Crosby.

	Thickness (feet)	Depth (feet)
Sand, coarse, and fine gravel, trace of granite	4	4
Gravel, coarse quartz, trace of granite	27	31
Sand, fine, gray, micaceous, no shells	6	37
Sand, medium to coarse gray, gravel and shells	4	41
Clay, gray, traces of lignite and mica	33	74
Sand, coarse, fine gravel, and gray clay	16	90
Sand, medium to coarse, and fine gravel, lignite and pyrite	34	124
Clay, gray, sandy, micaceous, trace of lignite	3	127

N 59. City of New York, Department of Water Supply, Gas & Electricity. California Supply Well 3. Baldwin. (6 B, 4.8 N., 2.0 W.). Altitude about 11 feet above sea level. Record compiled by W. O. Crosby.

	Thickness (feet)	Depth (feet)
Gravel and sand, yellow, no granite noted	22	22
Clay, gray, micaceous, and some sand	4	26
Sand, medium and coarse, and shells	5	31

(Continued on next page)

N 59. (Continued).

	Thickness (feet)	Depth (feet)
Gravel, coarse, sand and shells	1	32
Clay, hard, dark gray, no sand	14	46
Clay, hard, light gray, no sand	6	52
Clay, hard, dark gray, and lignite	4	56
Clay, hard, greenish-brown	26	82
Gravel, coarse, white, with pyrite and lignite	9	91
Sand, medium, white, micaceous, and lumps of clay	35	126

N 60. City of New York, Department of Water Supply, Gas & Electricity. California Supply Well 4. Baldwin. (6 B, 4.8 N., 2.0 W.). Altitude about 11 feet above sea level. Record compiled by W. O. Crosby.

	Thickness (feet)	Depth (feet)
Sand, coarse, and fine gravel, no granite	33	33
Clay, dark, sandy, and some fine gravel, no shells	2	35
Sand, fine to medium, clayey, and shells	5	40
Clay, dark, trace of mica and lignite	12	52
Clay, and lignite, dark brown, no sand	14	66
Clay, dark, sandy, and shells (?)	11	77
Gravel, coarse, quartz	7	84
Sand, medium, gray	4	88
Gravel, quartz, gray sand, and trace of clay	8	96
Sand, fine, gray, streaks of plastic clay and lignite	32	128

N 61. City of New York, Department of Water Supply, Gas & Electricity. California Stovepipe Well 5. Baldwin. (6 B, 4.8 N., 2.0 W.). Drilled by owner in 1909. Altitude about 11 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand, medium, and fine gravel	30	30
Sand, blue, thin layers of blue clay	10	40
Gravel and sand, blue	4	44
Clay, black, small quantity of lignite	5	49
Clay, black	29	78
Clay, black and lignite	8	86
Sand, dark	5	91
Gravel, white, fairly large	2	93
Sand, white	14	107

(Continued on next page)

N 61. (Continued).

	Thickness (feet)	Depth (feet)
Sand, light, lignite and sandstone	5	112
Sand, light gray	13	125
Clay, light gray, and pyrite	9	134
Sand, light gray, mixed with clay and wood	3	137

Casing: 14-inch.

Record compiled by W. O. Crosby.

Gravel, fine, and coarse sands, no granite	18	18
Gravel, coarse, and sand, no granite	10	28
Gravel, fine, and coarse sand, no granite.	4	32
Clay, gray, sandy and gravelly, no shells.	6	38
Sand, medium to coarse, dark gravel, and many shells	5	43
Clay, brownish-gray.	11	54
Clay, gray, and lignite.	24	78
Gravel, quartz, and medium sand, no granite.	2	80
Gravel, coarse and clean quartz, no granite.	7	87
Sand, medium to coarse, gray, and fine gravel, pyrite.	2	89
Clay, gray, micaceous, plastic, and nodules of pyrite.	8	97
Sand, fine to medium, dark gray, pyrite and lignite.	32	129

N 62. City of New York, Department of Water Supply, Gas & Electricity. California stovepipe Well 2. Milburn Pumping Station. (6 B., 4.8 N., 0.4 W.). Drilled by Owner in 1909. Altitude about 15 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand, medium and coarse, and fine gravel	31	31
Sand, fine, dirty, gray, and soft clay	16	47
Gravel, coarse	1	48
Sand, fine, dirty, gray, and soft clay	9	57
Sand, coarse, gray, with pieces of fine gray gravel.	5	62
Clay, rusty and white.	3	65
Sand, fine, white, with thin streaks of white clay	27	92
Sand, coarse, quartz	4	96
Sand, medium, quartz, with a little coarse sand, pieces of clay, lignite and pyrite.	27	123
Clay, gummy, gray, large pieces of lignite and pyrite.	4	127

(Continued on next page)

N 62. (Continued).

	Thickness (feet)	Depth (feet)
Sand, fine, with lignite and pyrite.	9	136
Clay, soft, sandy, gray, with lignite and pyrite . .	15	151
Sand, fine, gray, with lignite and pyrite.	7	158
Clay, compact, gray, with lignite and pyrite	3	161
Sand, fine, gray, with layers of clay, lignite and pyrite. , ...	39	200

Casing: 24-inch.

Record compiled by W. O. Crosby.

Sand and gravel, yellow, some granite.	19	19
Sand, medium to coarse, yellow-gray quartz, no granite	12	31
Clay, dark gray, micaceous, iron crusts.	8	39
Sand, fine, dark gray, micaceous, clayey, traces of lignite and pyrite.	8	47
Gravel, coarse, quartz, maximum pebbles 4 inches - no granite.	1	48
Sand, fine, dark gray, micaceous, with lumps or streaks of white plastic clay	9	57
Sand, medium to coarse, gray, with some mica	5	62
Clay, plastic, buff, slightly micaceous, some lignite	3	65
Sand, fine to medium, white, micaceous	13	78
Sand, fine, gray, with streaks of plastic clay and pyrite nodules.	14	92
Sand, medium to coarse, white, micaceous, specks of lignite	4	96
Sand, medium to coarse, white, micaceous, much lignite and pyrite.	27	123
Clay, hard, gray, with lignite and pyrite.	4	127
Sand, medium, gray, micaceous, with lignite and pyrite.	9	136
Clay, gray to white, sandy, micaceous, or clayey sand, lignite and pyrite.	15	151
Sand, medium, gray, micaceous, with much lignite and pyrite. The lignite shows Teredo borings . .	7	158
Clay, brown to black, lignitic	3	161
Sand, medium, gray, micaceous, with lignite and pyrite.	7	168
Clay, dark, gray, lignitic, like 158-161 feet. . . .	2	170
Sand, fine, gray, micaceous, with some lignite and pyrite.	15	185
Sand, fine, dark gray, micaceous, alternating with black, lignitic clay.	15	200

N 63. City of New York, Department of Water Supply, Gas & Electricity. California stovepipe Well 3. Milburn Pumping Station. (6 B, 4.8 N, 0.4 W.). Drilled by owner in 1909. Altitude about 15 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand, medium, yellow, with a little fine gravel. . .	11	11
Gravel, fine, yellow, rusty.	21	32
Sand, fine, white.	3	35
Clay, soft, yellow	1	36
Clay, soft, blue, containing roots and leaves. . . .	13	49
Clay, compact, white, sandy, with quartz gravel. . .	8	57
Sand, white, quartz, medium coarse	6	63
Clay, compact, stratified, dark gray	1	64
Sand, white quartz, with pieces of white clay. . . .	4	68
Lignite and pyrite in large pieces	1	69

Casing: 24 inches.

- -

N 64. City of New York, Department of Water Supply, Gas & Electricity. California stovepipe Well 4. Milburn Pumping Station. (6 B, 4.8 N., 0.4 W.). Drilled by Owner in 1909. Altitude about 15 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand, medium and coarse, yellow, a little fine gravel.	9	9
Sand, medium, and gravel	26	35
Clay, soft, grayish-brown, a little sand and lignite	2	37
Clay, soft, dark gray.	2	39
Sand, coarse and medium, and medium gravel	9	48

Casing: 24 inches.

- -

N 65. City of New York, Department of Water Supply, Gas & Electricity, California stovepipe Well 6. Milburn Pumping Station. (6 B, 4.8 N., 0.4 W.). Drilled in 1909. Altitude about 15 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand, and gravel, yellow	22	22
Clay and gravel.	23	45

Casing: 14 inches.

N 66. Village of Freeport abandoned shallow well 2, at municipal power plant on Sunrise Highway, Freeport. (6 B, 5.0 N., 0.5 W.). Diameter 6 inches, depth 40 feet. Measuring point: top of concrete cover about 0.6 foot above land surface, and 20.76 feet above mean sea level.

An automatic water-stage recorder was operated on this well from March 19, 1932 to January 17, 1933. Thereafter water-level measurements have been made each week.

Water level in feet above mean sea level.

Date	Water Level	Date	Water Level	Date	Water Level
1932		1933		1936	
Mar. 19	10.55	June 30	9.22	Oct. 3	10.43
Apr. 2	9.82	July 28	10.11	Oct. 31	10.26
May 1	9.93	Sept. 1	10.56	Nov. 28	10.11
June 1	10.82	Sept.29	10.29	1937	
July 1	10.94	Nov. 3	9.64	Jan. 2	10.41
Aug. 1	9.59	Dec. 1	10.40	Jan. 30	9.63
Sept. 1	8.74	Dec. 29	9.60	Feb. 27	8.44
Oct. 1	9.77	1934		Apr. 3	9.13
Nov. 1	9.88	Jan. 26	9.97	May 1	8.30
Dec. 1	10.60	Feb. 16	8.51	May 28	8.83
1933		Mar. 2	10.26	July 3	10.55
Jan. 1	10.67	Mar. 30	9.22	July 31	10.44
Feb. 3	10.90	Apr. 27	9.78	Aug. 28	10.22
Mar. 3	9.92	June 1	9.35	Sept.25	9.93
Mar. 31	10.01	1935		Nov. 13	8.20
Apr. 28	9.19	Dec. 16	9.93	Dec. 4	10.23
June 2	8.90				

More detailed water level data are available in the Jamaica office of the U. S. Geological Survey.

- -

N 67. Village of Freeport abandoned deep well, at municipal power plant on Sunrise Highway about 200 feet west of Long Beach Ave., Freeport. (6 B, 5.0 N., 0.5 W.). Diameter 12 inches, depth sounded on October 12, 1937, open hole to 1,052 feet below top of 12-inch casing. Measuring point: top of instrument shelf, 2.76 feet above top of 12-inch casing, 3.2 feet above land surface, and 23.46 feet above mean sea level.

An automatic water-stage recorder was installed on this well on March 16, 1932, and is still in operation.

(Continued on next page)

N 67. (Continued).

Lowest water level, in feet above mean sea level
(From recorder charts)

Date	Water Level	Date	Water Level	Date	Water Level
1932		1934		1936	
Mar. 16	18.32	Jan. 1	18.07	Jan. 1	16.65
Apr. 1	18.28	Feb. 1	18.10	May 1	16.85
May 1	18.47	Mar. 1	17.73	June 1	16.52
June 1	18.05	Apr. 1	18.29	July 1	15.51
July 1	17.70	May 1	17.97	Aug. 1	14.51
Aug. 1	15.78	June 1	18.14	Sept. 1	14.65
Sept. 1	15.17	July 1	17.12	Oct. 1	15.34
Oct. 1	15.94	Aug. 1	15.44	Nov. 1	16.05
Nov. 1	16.74	Sept. 1	15.18	Dec. 1	16.06
Dec. 1	17.64	Oct. 1	16.42	1937	
1933		Nov. 1	17.43	Jan. 1	16.45
Jan. 1	17.56	Dec. 1	17.81	Feb. 1	16.93
Feb. 1	18.27	1935		Mar. 1	17.29
Mar. 1	18.43	Jan. 1	17.67	Apr. 1	17.80
Apr. 1	18.53	Feb. 1	17.45	May 1	17.33
May 1	18.20	Mar. 1	17.24	June 1	16.85
June 1	17.97	Apr. 1	17.58	July 1	15.43
July 1	17.12	May 1	17.60	Aug. 1	13.93
Aug. 1	15.80	June 1	17.05	Sept. 1	13.75
Sept. 1	15.22	July 15	15.99	Oct. 1	14.86
Oct. 1	16.26	Aug. 1	15.56	Nov. 1	15.81
Nov. 1	17.32	Nov. 1	16.13	Dec. 1	16.62
Dec. 1	17.52	Dec. 1	16.70		

More detailed water level data are available in the Jamaica office of the U. S. Geological Survey.

- -

N 68. Village of Freeport. Test well 5. Located east of Power House on Sunrise Highway, Freeport, (6 B, 5.0 N., 0.5 W.). Drilled by Layne-New York Co., Inc., Sept., 1936. Altitude about 21 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Sand, coarse, brown, and gravel.	52.3	52.3
Clay, black.	3	55.3
Sand and clay, brown	8.1	63.4
Sand, coarse, gray, and gravel	21.7	85.1
Sand, medium, gray	63.3	148.4

(Continued on next page)

N 68. (Continued).

	Thickness (feet)	Depth (feet)
Clay, blue	10	158.4
Clay, sand, and lignite	60.5	218.9
Clay, and streaks of sand	57.3	276.2
Clay, tough, blue	30.7	306.9
Sand, coarse, and gravel	46.9	353.8
Clay, tough	9	362.8
Sand, medium, gray, some clay	63.7	426.5
Clay	5	431.5
Sand, medium, gray, and gravel	72	503.5
Clay, sandy	6	509.5
Sand and streaks of clay	42.9	552.4

Casing: 10 inches.

N 69. Village of Freeport. Test well 6. Located west of Power House on Sunrise Highway, Freeport. (6 B, 5.0 N., 0.5 W.). Drilled by Layne-New York Co., Inc., November 1936. Altitude about 21 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Fill	6	6
Sand, coarse, brown	46.7	52.7
Clay, black	10	62.7
Sand, coarse	23.7	86.4
Sand, medium, gray	58	144.4
Sand, muddy	12.4	156.8
Clay	8	164.8
Sand, muddy, and lignite	57.4	222.2
Clay and streaks of sand	39.4	261.6
Clay, tough	13	274.6
Sand, hard packed, muddy	32.2	306.8
Clay, tough	14	320.8
Sand and gravel, packed, muddy	51	371.8
Clay, tough	9	380.8
Sand, hard packed, muddy	36	416.8
Clay, tough	8	424.8
Sand, medium, gray, and gravel	70.3	495.1
Clay	6	501.1
Clay, sandy	4.1	505.2

Casing: 10 inches.

N 70. Milburn Country Club, Baldwin. (6 C, 0.3 N., 1.1 W.). Drilled by C. W. Lauman & Co., August 1934. Description by H. R. Black from examination of samples.

	Thickness (feet)	Depth (feet)
Top soil	3.5	3.5
Sand and gravel	31.5	35
Sand, medium	6.7	41.7
Clay, gray, somewhat sandy		

Screen: Set at 40 feet.

N 71. Rockville Country Club. Rockville Centre. (6 C, 0.4 N., 2.3 W.). Information furnished by H. C. Major.

One 6-inch well, about 60 feet deep, drilled by F. W. Miller in 1925. In May 1928 an 8-inch well about 60 feet deep was drilled. This well was finished with 16 feet of screen in water-bearing gravel, beneath which clay was encountered.

N 72. Village of Rockville Centre. Test Well 5. West of Hempstead Ave., and north of Sylvan Ave., Rockville Centre. (6 C, 1.3 N., 2.3 W.). Drilled by Layne-New York Co., Inc., January 1936. Driller's log.

	Thickness (feet)	Depth (feet)
Sand, brown	4	4
Sand and gravel	6	10
Sand, fine, loose	10	20
Sand, fine and coarse, yellow	21.2	41.2
Sand, fine, and gravel and hard streaks	21.4	62.6
Clay, soft, sandy, yellow	19.3	81.9
Clay, soft, blue, fine gravel	57.8	139.7
Clay, tough, blue, some gravel	5.4	145.1
Clay, soft, blue, sand, and some gravel	148.3	293.4
Sand, gravel, and streaks of clay	99.4	392.8
Sand, coarse	16.2	409
Clay, tough, blue	15.1	424.1
Sand, coarse, gray	26.6	450.7
Clay, tough	10.5	461.2
Sand, gray	13	474.2
Clay, tough	4	478.2
Sand, gray	15.2	493.4
Clay, tough	11	504.4
Sand, gray	21.4	525.8

(Continued on next page)

N 72. (Continued).

	Thickness (feet)	Depth (feet)
Clay, tough.	9	534.8
Sand, loose, gray, with some gravel.	71.1	605.9
Clay, tough, blue.	10.1	616.

- -

N 73. Long Island Water Corp. Test well. Roosevelt. (6 C, 1.0 N., 0.8 W.). Drilled by William Moreland in 1909. Altitude about 42 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand, coarse, and gravel	40	40
Sand, hard fine.	6	46
Sand, fine, loose.	8	54
Sand, fine, hard	10	64
Sand, fine, and blue clay, 3 to 4 feet thick, alternating with layers of sand 8 to 10 feet thick . .	63	127
Sand, fine, white, mixed with gray clay.	21	148
Sand, fine, and clay mixed with pieces of wood . . .	92	240
Clay, hard, blue	3	243
Sand, fine grained, light colored, and clay.	22	265
Sand, fine, and clay	71	336
Sand, coarse, some clay.	4	340
Sand, fine, and clay	20	360
Sand, fine	20	380
Sand, fine, and clay	70	450
Sand, coarse, mixed with clay and fine sand.	25	475
Sand and clay, alternate layers, mixed with soft sand.	140	615
Sand, coarse, white, mixed with sand and clay. . . .	12	627
Clay, hard	6	633
Sand, fine, brown, iron stained.	8	641
Sand, very hard, light gray.	4	645
Sand, coarse, white.	7	652
Clay, very hard, light gray.	32	684
Sand, very fine, soft.	10	694
Clay, very hard, light gray.	4	698
Sand, very fine, soft.	12	710
Clay, very hard, light gray.	6	716

N 74. C. H. Dahl Dairy. 29 Greenwich Ave., Roosevelt. (6 C, 1.3 N., 0.5 W.). Original well was 45 feet deep. The well was deepened by C. W. Lauman & Co., July 1934. Driller's log from memory.

	Thickness (feet)	Depth (feet)
Sand	80	80
Sand, fine, clay and wood	124	204
Sand, coarse	20	224

Casing: 6 inches.
Screen: 5 feet long, set at bottom of well.
Yield: 60 gallons a minute.

Old well yielded sufficient water, but it became polluted.

N 75. West Hempstead-Hempstead Gardens Water District. Well 1. (6 C, 1.9 N., 3.3 W.). Drilled by Layne-New York Co., Inc., June 1927. Altitude about 50 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Sand and gravel	5	5
Clay, in streaks	0.5	5.5
Sand, brown	60.5	66
Clay, in streaks	1	67
Sand and gravel	14	81
Clay, sandy	14	95
Sand, coarse, and gravel	89	184
Clay, blue, and boulders	4	188

Casing: 24 to 16 inches.
Screen: 16-inch set from 132.7 to 181 feet.

Pumping test:
June 28, 1927.

Static water level:	24 feet.
Pumping water level:	65 feet.
Drawdown:	41 feet.
Yield:	800 gallons a minute.
Specific capacity:	20.

N 76. West Hempstead-Hempstead Gardens Water District. Well 2. (6 C, 1.9 N., 3.3 W.). Drilled by Layne-New York Co., Inc., December 1926. Altitude about 50 feet above sea level. Driller's log.

(Continued on next page)

N 76. (Continued).

	Thickness (feet)	Depth (feet)
Sand, coarse, and gravel	24	24
Sand, coarse	16	40
Sand	25	65
Sand, fine, red	5	70
Clay, sandy	4	74
Sand, fine	3	77
Clay, sandy	3	80
Sand	8	88
Clay, tough, blue	14	102
Sand and gravel, white, gray	93	195
Clay		

Casing: 24 to 16 inches.
Screen: 16-inch set from 145 to 192.5 feet.

Pumping test:
June 28, 1927.

Static water level:	25.5 feet.
Pumping water level:	54.5 feet.
Drawdown:	29 feet.
Yield:	740 gallons a minute.
Specific capacity:	26.

N 77. State Laundry Co. Newman Court, near South Franklin St., Hempstead. (6 C, 2.5 N., 2.2 W.). Drilled in October 1932. Altitude about 50 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Fill	7	7
Sand and gravel	53	60
Sand and clay	25	85

Casing: 10 inches.
Static water level: 7 feet.

N 78. Village of Hempstead. Well 1. Clinton and Meriam Sts., Hempstead. (6 C, 3.4 N., 1.9 W.). Drilled by Layne-New York Co., Inc., November 1926. Altitude of pump base 59.1 feet above sea level. Record furnished by owner.

(Continued on next page)

N 78. (Continued).

	Thickness (feet)	Depth (feet)
Sand, coarse, and gravel	30	30
Sand, loose	29	59
Clay	2	61
Sand, loose	23	84
Sand, coarse, loose, muddy	67	151
Clay, tough	46	197
Sand, coarse	42	239
Clay, tough	3	242
Sand, loose	34	276
Sand, coarse, loose	37	313
Clay, tough	13	326
Sand, coarse, loose	51	377
Clay	4	381

Screen: 13-inch set from 336 to 374.7 feet.
Yield: 1,040 gallons a minute.

N 79. Village of Hempstead. Well 2. Yale and Clinton Streets, Hempstead. (6 C, 3.4 N., 1.9 W.). Drilled by Layne-New York Co., Inc., February 1928. Altitude of pump base 61.9 feet above sea level.

	Thickness (feet)	Depth (feet)
Top soil	2	2
Gravel	18	20
Sand, coarse, and gravel	43	63
Clay, soft, sandy	20	83
Sand, muddy	12	95
Clay, soft, sandy	20	115
Clay, tough, blue	3	118
Sand, coarse, and gravel	10	128
Clay, very tough, blue	40	168
Clay, soft, blue	10	178
Sand, very fine, muddy, brown	54	232
Clay, soft, sandy	12	244
Clay, tough, blue	10	254
Clay, soft, sandy	11	265
Sand, fine, gray	31	296
Clay, tough, blue	35	331
Sand, coarse, white - water-bearing	90	421
Clay, soft, white	6	427
Clay, hard, sandy	11	438
Sand, coarse, white and red, and gravel	54	492

Screen: 10-inch set from 338 to 418 feet.
Yield: 1,320 gallons a minute.

N 80. Village of Hempstead. Well 3. Wellesley St., west of Stewart Ave., Hempstead. (6C, 3.4 N., 1.9 W.). Drilled by Layne-New York Co., Inc., in 1929. Altitude of pump base 57.9 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand, coarse, and gravel	43	43
Sand, coarse, yellow	40	83
Sand, fine, yellow	45	128
Clay, tough, blue	44	172
Clay, sandy	21	193
Clay, sandy, brown	44	237
Sand, fine	44	281
Sand, fine, gray	22	303
Clay, blue	35	338
Sand, coarse, and gravel	46	384
Clay, blue	17	401
Sand and gravel	11	412
Clay, white	9	421
Sand, coarse, and gravel	61	482
Clay		

Screen: 12-inch set from 429 to 480 feet.

Pumping test:
Feb. 10, 1929.

Static water level:	12 feet.
Pumping water level:	89 feet.
Drawdown:	77 feet.
Yield:	1,140 gallons a minute.
Specific capacity:	15.

N 81. Village of Hempstead. Well 4. Midwood St., east of Clinton St., Hempstead. (6 C, 3.6N., 1.9 W.). Drilled by Sprague & Henwood, Inc., September 1934. Altitude of pump base 63.0 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Sand and gravel	57.7	57.7
Clay	3	60.7
Sand and gravel	80.3	141
Lignite	11	152
Clay	43.5	195.5
Sand and gravel	39	234.5
Clay	15	249.5
Sand and gravel	62.5	312

(Continued on next page)

N 81. (Continued).

	Thickness (feet)	Depth (feet)
Clay, dark	27	339
Sand and gravel, thin layer of hard clay at base	80	419
Clay, sandy	6	425

Screen: 12-inch set from 360 to 420 feet.

Static water level: About 8 feet on November 15, 1934.
Drawdown: 37 feet.
Yield: 1,400 gallons a minute.
Specific capacity: 38.

Pumping test:
June 22, 1935. Static water level: 9.37 feet below top of flange.
Drawdown: About 34 feet.
Yield: 1,185 gallons a minute.
Specific capacity: 35.

During this 8 hour test the water level in well 5 dropped 3.49 feet; the water level in well 6-A dropped 6.39 feet.

- -

N 82. Village of Hempstead. Well 5. Lincoln Blvd. east of Clinton St., Hempstead. (6C, 3.6 N., 1.9 W.). Drilled by Sprague & Henwood, Inc., November 1934. Altitude of pump base 64.5 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Top soil and gravel	18	18
Clay, sandy	10	28
Sand, light	49.5	77.5
Gravel, coarse	21.4	98.9
Clay	6	104.9
Sand and gravel, dark	30.1	135
Clay, blue	76.7	211.7
Lignite, black	4	215.7
Sand, dark	30.6	246.3
Clay, sandy	22.2	268.5
Sand, white	27.2	295.7
Clay	10	305.7
Sand, gray	13	318.7
Clay	27.6	346.3

(Continued on next page)

N 82. (Continued)

	Thickness (feet)	Depth (feet)
Sand and gravel, brown	89.1	435.4
Clay	26.2	461.6
Sand and gravel, white	77.5	539.1
Clay, white	3	542.1
Hole to allow for gravel fall	37.9	580

Static water level: 9 feet.
Drawdown: 28 feet.
Yield: 1,200 gallons a minute.
Specific capacity: 43.

Pumping test:
Sept. 9, 1935.
Static water level: 10.12 feet below top of 28-inch casing.
Pumping water level: 36.70 feet.
Drawdown: 26.59 feet.
Yield: 1,010 gallons a minute.
Specific capacity: 38

During this 7 hour test the water level in well 4 dropped 3.10 feet; the water level in well 6-A dropped 2.74 feet.

A water-stage recorder was operated on this well from November 21, 1934 to December 10, 1934. During this period the water level ranged from 48.03 feet above sea level on November 22, 1934 to 53.66 feet above sea level on December 3, 1934.

- -

N 83. Village of Hempstead. Well 6. Lincoln Blvd., and Clinton St., Hempstead. (6C, 3.6 N., 1.9 W.). Drilled by Sprague & Henwood, Inc., October 1934. Altitude of pump base 65.0 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Sand and gravel	75	75
Clay	8	83
Sand and gravel	60.7	143.7
Lignite	4	147.7
Clay	43.7	191.4
Sand and gravel	135.2	326.6
Clay and boulders	13	339.6
Sand, gravel and boulders	65.7	405.3
Sand, fine	2	407.3

(Continued on next page)

N 83. (Continued)

	Thickness (feet)	Depth (feet)
Sand, gravel, and boulders	52	459.3
Sand, fine	2	461.3
Clay	14	475.3
Sand and gravel	71.1	546.4
Clay and boulders	3	549.4
Sand and gravel	35	584.4
Clay	34.3	618.7
Boulders	3	621.7
Clay	5	626.7
Sand and gravel	9	635.7
Clay and boulders	47	682.7
Sand and gravel	4	686.7
Clay and boulders	22	708.7
Hardpan	2	710.7
Clay	53	763.7
Sand and gravel	37	800.7
Clay	6	806.7
Sand and gravel	129	935.7
Clay and boulders	13	948.7
Sand and gravel	54.8	1003.5
Bedrock		

Casing: 12 to 10 inches.
Screen: 60 feet of 12-inch set from 261 to 321 feet.

Static water level: 14 feet.
Drawdown: 38 feet.
Yield: 1,350 gallons a minute.

After pumping well for more than three months it failed to clear up entirely. Excessive removal of fine sand and clay finally caused underground caving, shifting casing and breaking off screen about 7 feet below its top. Well lost.

A new well (6-A) was drilled by Sprague & Henwood, Inc., March 1935 about 50 feet east of well 6.

Pumping test, Well 6-A:
Sept. 28, 1935.

Static water level: 11.09 feet below top of 28-inch casing.
Pumping water level: 43.67 feet.
Drawdown: 32.58 feet.
Yield: 1,010 gallons a minute.
Specific capacity: 31

(Continued on next page)

N 83. (Continued).

During this 6 hour test the water level in well 4 dropped 6.08 feet; the water level in well 5 dropped 3.10 feet. At the end of this 6 hour test the pumps in wells 4 and 5 were started and all three wells were pumped together at a combined rate of 3,035 gallons a minute for two hours, 45 minutes. The total drawdown after the 8 hours, 45 minutes pumping was 37.31 feet in well 4; 31.63 feet in well 5; 40.12 feet in well 6-A.

N 84. United States War Department. Well 9. Camp Mills. (6 C, 3.5 N., 1.5 W.). Drilled by Artesian Well & Supply Co. Altitude 73.0 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand and gravel	60	60
Sand	11	71
Clay, blue	34	105
Clay, mixed with sand	20	125
Clay, black	61	186
Sand, mixed with clay	69	255
Sand, fine, dirty white	25	280
Clay	12	292
Sand, dirty	15	307

Casing: 10 inches.
Static water level: 64.7 feet above sea level.

There are eight other 10-inch wells on this property.

Owner's Well No.	Altitude above sea level (feet)	Depth (feet)
1	77.5	67.5
2	75.7	64.8
3	79.3	64.8
4	78.7	63.7
5	79.7	64.7
6	72.7	65.7
7	70.3	67.3
8	70.6	67

N 85. Meadow Brook Country Club. (6 C, 4.5 N., 0.3 W.). Drilled by Artesian Well & Supply Co. Altitude about 80 feet above sea level. Information furnished by driller.

The well is about 400 feet deep and was finished in medium to coarse sand.

N 86. Garden City Garage. 7th St., and Franklin Ave., Garden City. (6 C, 4.0 N., 2.6 W.). Drilled by C. W. Lauman & Co., spring 1936. Driller's log.

	Thickness (feet)	Depth (feet)
Sand and gravel, dark brown	26	26
Sand and gravel, light brown	16	42
Coarse sand	3	45

Screen: 5 feet of No. 50 slot Johnson Everdur, set from 40 to 45 feet.
Static water level: 26.5 feet.
Temperature: 56° F.
Yield: 40 gallons a minute with 5-foot drawdown on continuous operation.

Pumping tests: 127.5 gallons a minute with 17.5-foot drawdown.
106 gallons a minute with 13.85-foot drawdown.

N 87. Doubleday Doran & Co., Inc. Garden City. (6 C, 3.8 N., 2.5 W.). Drilled by Layne-New York Co., Inc. Altitude 80 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Sand, coarse, and gravel	69	69
Clay, tough, blue	17	86
Clay, soft and tough in alternating streaks	68	154
Sand, yellow, muddy	15	169
Clay, soft, yellow	3	172
Sand, fine, yellow	16	188
Clay, sandy, and streaks of muddy sand	126	314
Clay, tough, blue	6	320
Sand, muddy, red	18	338
Clay, soft	4	342
Sand, white	44	386
Clay, tough, white	12	398
Clay, yellow, sandy	42	440

(Continued on next page)

N 87. (Continued).

	Thickness (feet)	Depth (feet)
Sand, coarse, gray, and gravel	44	484
Clay, tough	10	494
Gravel, coarse	10	504
Sand and gravel	8	512
Clay	6	518
Sand and gravel	15	533
Clay, tough, blue	20	553
Sand and gravel, hard	16	569
Sand and clay in streaks	15	584
Clay	10	594
Sand	5	599
Clay, tough, blue	49	648
Clay and boulders	43	691
Clay, tough, blue	36	727
Sand rock	3	730
Sand and gravel, white	67	797
Clay	9	806

Record by F. G. Wells from examination of samples in the office of Layne-New York Co., Inc.

	Depth represented by sample (feet)
Gravel, medium to coarse, buff, composed of heterogeneous material. Much biotite. Mr. Putnam of Layne-New York Co., Inc. states that these pebbles come out of the sand and clay	158-190
Gravel, small, gray, of heterogeneous material. Fragments of schist and gneiss and rounded quartz pebbles. Undoubtedly glacial	252-283
Sand, white, with a few quartz pebbles and a few schist pebbles. These may be out of place	296-394
Gravel, small, quartz, stained by iron oxide, one pebble of schist, probably out of place	731-803

N 88. Garden City Hotel. Well 1. (6 C, 3.9 N., 3.0 W.). Drilled by Layne-New York Co., Inc., October 1925. Altitude about 80 feet above sea level. Record furnished by owner.

(Continued on next page)

N 88. (Continued).

	Thickness (feet)	Depth (feet)
Sand, coarse, and boulders	20	20
Sand, coarse, and gravel	21	41
Sand, coarse, loose	43	84
Sand, coarse, loose, and gravel	43	127
Sand, coarse, and gravel	63	190
Clay, white		

- -

N 89. Garden City Hotel. Well 2. (6 C, 3.9 N., 3.0 W.). Drilled by Layne-New York Co., Inc., December 1929. Altitude about 80 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Sand and gravel, yellow	60	60
Sand, fine to coarse, and gravel	30	90

Screen: 8-inch set from 65 to 85 feet.
Static water level: 33.7 feet on December 18, 1929.

- -

N 90. Frederick Loeser & Co. Inc. 743 Franklin St., Garden City. (6 C, 4.1 N., 2.7 W.). Drilled by Sweeney & Gray Co., Inc., in 1937. Driller's log.

	Thickness (feet)	Depth (feet)
Sand and gravel	50	50

Casing: 4 inches.
Screen: 3-7/8 inches perforated pipe with slotted brass covering set from 40 to 50 feet.

There is a diffusion well on this property similar in depth and construction to the supply well. Drilled by Sweeney & Gray Co., Inc., in 1937.

Static water level: 22 feet.
Yield: 20 gallons a minute.

N 91. Southwest corner of Franklin and 11th Sts. Garden City. (6 C, 4.3 N., 2.8 W.). Altitude 84 feet above sea level. Record collected by W. O. Crosby.

	Thickness (feet)	Depth (feet)
Sand and gravel	64	64
Clay	2	66
Sand and gravel	16	82

Static water level: 62 feet.
Yield: 2,000 gallons a minute.

- -

N 92. Village of Garden City. Well 4. 11th St., near steam plant. (6C, 4.4 N., 3.0 W.). Drilled by Layne-New York Co., Inc., in 1926. Altitude about 75 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand, coarse and gravel	32	32
Clay, tough	2	34
Sand, coarse, and gravel	54	88
Clay, tough		

Pumping test:
July 8, 1926.
Static water level: 28.0 feet.
Pumping water level: 54.8 feet.
Drawdown: 26.8 feet.
Yield: 1,137 gallons a minute.
Specific capacity: 42.

There are 3 old wells on this property ranging in depth from 40 to 90 feet.

- -

N 93. Village of Garden City. Well 5. Cherry Valley Rd., near steam plant. (6 C, 4.4 N., 3.0 W.). Drilled by Layne-New York Co., Inc., July 1926. Altitude about 75 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Top soil	5	5
Sand and gravel	13	18
Clay	3	21
Sand and gravel	12	33
Gravel	7	40

(Continued on next page)

N 93 (Continued).

	Thickness (Feet)	Depth (Feet)
Sand and gravel	31	71
Sand and soft white clay	3	74
Sand and gravel	8	82
Clay, white		

Pumping test:

July 30, 1926.	Static water level:	20.0 feet.
	Pumping water level:	48.5 feet.
	Drawdown:	28.5 feet.
	Yield:	1,101 gallons a minute.
	Specific capacity:	39.

- -

N 94. Village of Garden City. Well 6. 11th St., near steam plant. (6 C, 4.4 N., 3.0 W.). Drilled by Layne-New York Co., Inc., March 1931. Altitude about 75 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Top soil	2	2
Sand, brown	67	69
Sand and gravel	23	92
Clay, tough, blue	28	120
Clay and gravel	80	200
Sand and gravel	33.7	233.7
Clay, tough	5	238.7
Gravel and coarse sand	25.5	264.2
Clay and gravel	20	284.2
Sand and gravel	21	305.2
Clay, tough	5	310.2
Sand, coarse, white, and gravel	62.7	372.9
Clay	21	393.9
Clay and gravel	16	409.9
Clay	56.7	466.6
Gravel, coarse, and clay (water-bearing but high in iron)	49	515.6
Clay, tough	11	526.6

Screen: Set at 372 feet.

Pumping test:

May 1, 1931.	Static water level:	29.5 feet.
	Pumping water level:	91.0 feet.
	Drawdown:	61.5 feet.
	Yield:	1,500 gallons a minute
	Specific capacity:	24

N 95. Village of Garden City. Well 7. 80 feet southeast of Well 5. (6C, 4.4 N., 3.0 W.). Drilled by Layne-New York Co., Inc., March 1936. Driller's log.

	Thickness (feet)	Depth (feet)
Top soil	10	10
Sand and gravel, brown	71	81
Clay, tough	18	99
Clay and sand	11	110
Sand, fine, white, and clay	22	132
Sand, fine, white, and gravel	59	191
Clay, sandy	44	235
Sand, fine, white, and clay	19	254
Sand, white, muddy	43	297
Clay	1	298
Sand with streaks of clay	25	323
Sand and gravel, brown	20	343
Clay	8	351
Clay, tough	29	380
Sand and clay	40	420
Clay, white	20	440
Clay, red	17	457
Sand and gravel	4	461
Gravel, loose, white, some sand	75	536
Clay, tough	10	546

Casing: 20 to 12 inches.
Screen: 12-inch Everdur set from 473.8 to 533.8 feet.

Pumping test:
April 14, 1936. Static water level: 19.5 feet.
Pumping water level: 100 feet.
Drawdown: 80.5 feet.
Yield: 1,115 gallons a minute.
Specific capacity: 14.

- -

N 96. Swift & Co. Roslyn Rd., near Front St., Mineola. (6 C, 5.0 N., 2.7 W.). Drilled by C. W. Lauman & Co., July 1935. Driller's log.

	Thickness (feet)	Depth (feet)
Fill	5	5
Sand, coarse, and light gravel	14	19
Sand, coarse, and heavy gravel, yellow	39.5	58.5
No record	6	64.5

(Continued on next page)

N 96. (Continued).

Casing:	8 inches.
Screen:	8-inch set from 47.5 to 58.5 feet.

Pumping test:
Aug. 3, 1935.

Static water level:	36 feet.
Pumping water level:	39.5 feet.
Drawdown:	3.5 feet.
Yield:	60 gallons a minute.
Specific capacity:	17.

- -

N 97. Village of Mineola. Well 1. (6 C, 5.4 N., 2.7 W.). Drilled by Layne-New York Co., Inc., February 1927. Altitude of base of pump 111.99 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Sand and gravel, red	29	29
Clay, blue, sandy	18	47
Sand, red	11	58
Clay and boulders	8	66
Sand, coarse, and gravel	37	103
Clay, soft, blue and white	41	144
Clay, tough, blue	29	173
Clay, tough, blue, and sandy clay in streaks	63	236
Sand, soft, muddy, and streaks of soft white clay.	46	282
Sand, coarse, brown, and gravel	85	367
Clay	1	368
Sand, coarse, brown, and gravel	7	375
Clay, blue	2	377

Screen: 13-inch set from 309.9 to 369 feet.

Pumping test:
Feb. 4, 1927.

Static water level:	50.0 feet.
Pumping water level:	71.0 feet.
Drawdown:	21.0 feet.
Yield:	765 gallons a minute.
Specific capacity:	36.

- -

N 98. Village of Mineola. Well 2. (6C, 5.4 N., 2.7 W.). Drilled by Layne-New York Co., Inc., January 1927. Altitude of base of pump 111.71 feet above sea level. Driller's log.

(Continued on next page.)

N 98. (Continued).

	Thickness (feet)	Depth (feet)
Sand and gravel, red	29	29
Clay, blue	18	47
Sand, red	11	58
Clay	8	66
Sand, coarse, red, and gravel	37	103
Clay, blue	41	144
Clay, tough, white	29	173
Clay, soft blue, with tough streaks	63	236
Sand, fine, muddy, and clay	46	282
Sand, coarse, gray, and gravel	85	367

Screen: 13-inch set from 308 to 366 feet.

Pumping test:
Jan. 5, 1927.

Static water level:	45.4 feet.
Pumping water level:	75.2 feet.
Drawdown:	29.8 feet.
Yield:	816 gallons a min.
Specific capacity:	27.

- -

N 99. Wilson & Co. 2nd St., between Main St. and Willis Ave., Mineola. (6 C, 5.0 N., 2.8 W.). Drilled by Artesian Well & Equipment Co., December 1934. Driller's log.

	Thickness (feet)	Depth (feet)
Sand and gravel, yellow	85.5	85.5

Casing: 8 inches.
Depth to water: 40 feet.

- -

N 100. Reid Ice Cream Co. 2nd St., between Willis Ave. & Roslyn Rd., near Long Island Railroad, Mineola. (6 C, 5.1 N., 2.7 W.). Drilled by Artesian Well & Equipment Co., February 1929. Driller's log.

	Thickness (feet)	Depth (feet)
Top soil, sand and gravel	3	3
Clay	2	5
Sand and gravel, soft	30	35
Sand, coarse	14	49

(Continued on next page)

N 100 (Continued).

	Thickness (feet)	Depth (feet)
Gravel	1	50
Sand, coarse	5	55
Gravel	3	58
Sand, coarse	12	70
Sand, coarse, and gravel, mixed	13	83
Sand and clay, black	1	84
Sand, coarse	3	87
Gravel and clay, mixed	3	90
Clay, rusty	5	95
Clay, tough		

Casing: 10-inch.
Screen: Set with bottom at 83 feet.

- -

N 101. Westbury Water District. Electric well 3. (Layne-New York Co., Inc. well 1). (6D, 0.5 N., 0.5 W.). Drilled by Layne-New York Co., Inc., September 1930. Altitude about 115 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand, coarse, and gravel	63	63
Sand, fine	22	85
Sand, fine, muddy	53	138
Sand	10	148
Clay, tough	9	157
Sand, muddy	10	167
Clay, tough	10	177
Sand, hard packed	54	231
Sand, coarse	27	258
Clay, sandy	8	266
Clay, tough	4	270
Clay, sandy	4	274
Clay, tough	5	279
Sand, hard packed	35	314
Sand, coarse	36	350
Clay and boulders	6	356
Clay, soft	12	368
Sand, hard packed	31	399

Screen: 12-inch set from 282.3 to 345.4 feet.
6-inch set from 275.8 to 346.8 feet.

(Continued on next page)

N 101. (Continued).

Pumping test:
Oct. 6, 1930.

Static water level:	41 feet.
Pumping water level:	82 feet.
Drawdown:	41 feet.
Yield:	1,050 gallons a minute.
Specific capacity:	26.

Other wells at this location are reported to range in depth from 245 to 500 feet.

- -

N 102. Wheatley Hills Golf Club. Wheatley Hills. 200 feet north and a little west of Club House. (6D, 0.7 N., 2.4 W.). Drilled by C. W. Lauman & Co., November 1935. Altitude about 120 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Sand, coarse, yellowish-white, and gravel	74	74
Sand, fine	3	77
Sand, coarse, bright yellow, with a little gravel	17	94
Clay, pinkish-brown and yellow, laminated	3	97

Casing:	12 inches.
Screen:	10-inch Johnson Everdur No. 50 slot, set from 71.6 to 91.9 feet.

Static water level:	34 feet.
Pumping water level:	51 feet.
Drawdown:	17 feet.
Yield:	425 gallons a minute.
Specific capacity:	25.

- -

N 103. Village of Williston Park. Well 1. (6 D, 1.0 N., 3.0 W.). Drilled by Layne-New York Co., Inc., May 1929. Altitude 130.5 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Sand and boulders	67	67
Clay, sandy	26	93
Sand	21	114
Clay	42	156
Sand, fine, packed	43	199

(Continued on next page)

N 103. (Continued).

	Thickness (feet)	Depth (feet)
Sand, fine, and gravel, packed	13	212
Sand, coarse, and gravel	27	239
Sand and clay	10	249

Screen: Set at bottom

Pumping test:
March 25, 1930.

Static water level:	54 feet.
Pumping water level:	85 feet.
Drawdown:	31 feet.
Yield:	895 gallons a minute.
Specific capacity:	29.

- -

N 104. Village of Williston Park. Well 2. (6 D, 1.0 N., 3.0 W.). Drilled by Layne-New York Co., Inc., July 1929. Altitude about 120 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Sand and boulders	45	45
Sand, coarse, and gravel	67	112
Clay	22	134
Sand, medium-coarse	39	173
Clay, sandy	1	174
Sand, medium-coarse	8	182
Sand, coarse, and gravel	96	278
Clay	10	288
Sand, coarse, and gravel	89	377
Clay	9	386
Sand and gravel	9	395
Clay	11	406

Screen: Set at 376.8 feet.

- -

N 105. Village of Old Westbury. Well 2. Guinea Woods Rd. 0.2 mile south of Power House Rd., Old Westbury. (6 D, 2.1 N., 2.2 W.). Drilled by Layne-New York Co., Inc., February 1935. Altitude 154 feet above sea level. Log compiled by H. R. Blank from driller's log, observations at well, and examination of samples.

(Continued on next page)

N 105. (Continued).

	Thickness (feet)	Depth (feet)
Sand and gravel, yellowish-brown, sand mostly coarse, some very rusty	39	39
Sand, medium and fine, brown	4	43
Sand, coarse, and gravel	10	53
Sand, medium, brown	11	64
Sand, coarse, and gravel	13	77
Sand, medium, yellow	8.2	85.2
Sand, coarse, and gravel	6.8	92
Sand, fine	3	95
Sand, medium, brown	11.5	106.5
Sand, fine	4.5	111
Sand, medium, brown	16.7	127.7
Sand, medium, brown, somewhat coarser and more iron-stained than above	15.9	143.6
Clay, soft, very dark gray to black	5	148.6
Sand, medium, yellowish-brown	16.5	165.1
Clay, soft, or fine sand	10	175.1
Sand, fine to medium, yellowish-gray	28.9	204
Sand, medium, yellowish-gray, becoming grayer with depth, and containing a few very thin layers of dark gray, white, and yellow clay near base	53.6	257.6
Clay, soft, yellow and white	5	262.6
Sand, fine to medium, gray	16.8	279.4
Clay, white and yellowish-brown, underlain by blue-gray clay, perhaps several thin layers, with possibly fine sand between, tougher near the top, softer near base	13	292.4
Sand, medium to coarse, pale red, many bright red grains	26.8	319.2
Sand, medium, brownish-gray	1.3	320.5
Sand, very thin alternating light brown and white clayey layers	.6	321.1
Sand, fine, clayey, black	.1	321.2
Sand and clay in alternating layers	8.8	330
Clay, soft	10.6	340.6
Clay, tough, white to pale pink	5	345.6
Sand, reddish-gray, with some gravel, contains bright red grains, possible thin clay streaks at about 363 and 375 feet	56.2	401.8
Sand, coarse, brownish-white, with some gravel, with a few thin streaks of clay at about 418 feet	21.7	423.5
Sand, coarse, white, and gravel, with a few thin streaks of clay, contains decayed fibrous quartz, possible thin streaks of clay at about 435 feet, 453 to 455 feet, and 490 feet	82.6	506.1
Ironstone, hard, dark red-brown	.5	506.6

(Continued on next page)

N 105 (Continued).

Casing: 12 to 8 inches.
Screen: 8-inch Johnson Everdur set from 412 to 452 feet.

Static water level: 84 feet.
Yield: 800 gallons a minute.

Pumping test:
Aug. 22, 1935.

Static water level:	81 feet.
Pumping water level:	118 feet.
Drawdown:	37 feet.
Yield:	530 gallons a minute.
Specific capacity:	14.

- -

N 106. Charles Steele. Hitchcock Lane, Old Westbury. (6 D, 2.0 N., 0.0 W.).

Depth: 320 feet.
Depth to water: 140 feet on August 27, 1932.
Pumped by windmill.

- -

N 107. Village of Old Westbury. Well 3. East side of Post Rd., about 1/4 mile south of Wheatley Rd. (6 D, 2.8 N., 0.3 W.). Drilled by Layne-New York Co., Inc., April 1935. Altitude about 211 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Surface soil and packed sand	5	5
Sand, coarse, red, and gray	54	59
Clay, brown	25.6	84.6
Clay, brown, sandy	20.9	105.5
Clay, sandy, with streak of sand	21	126.5
Sand, medium, gray, with streak of clay	21.6	148.1
Sand, medium, red and gray	31.2	179.3
Clay, tough, blue	11.1	190.4
Sand, medium, gray	37.5	227.9
Clay, sandy	5.1	233
Sand, medium, gray	21.1	254.1
Sand, medium, gray, probably with streaks of clay	21	275.1
Clay, blue	12	287.1
Sand, gray	4	291.1
Clay	5	296.1
Sand, medium-coarse	31.7	327.8
Clay	3	330.8
Sand, medium-coarse	29.6	360.4

(Continued on next page)

N 107. (Continued).

	Thickness (feet)	Depth (feet)
Clay and streaks of sand	6	366.4
Clay	6	372.4
Clay and streaks of sand	13.8	386.2
Clay, tough	3	389.2
Sand and clay in streaks	22.4	411.6
Sand, coarse, and gravel	13	424.6
Clay, hard	5	429.6
Sand, medium	12.2	441.8
Sand, coarse, gray, and some gravel	60.7	502.5

Encountered by under reaming:

Sand and gravel, at	500
Clay, soft, white, sandy, at	515
Clay, tough, pink, at	517

Casing: 16 inches.
Screen: 8-inch set from 455 to 495 feet.

Pumping tests:

Apr. 11, 1935.	Drawdown:	37 feet.
	Yield:	500 gallons a minute.
	Specific capacity:	14.
Aug. 18, 1935.	Static water level:	132.4 feet.
	Pumping water level:	165.5 feet.
	Drawdown:	31.1 feet.
	Yield:	510 gallons a minute.
	Specific capacity:	15.

- -

N 108. Hugh Murray (6 D, 3.8 N., 0.4 W.). Drilled by P. H. & J. Conlan, Spring 1921. Altitude about 230 feet above sea level. Record furnished by Suburban Engineering Co.

	Thickness (feet)	Depth (feet)
Clay, black, sand, and stones	30	30
Sand, fine	30	60
Clay, soft, blue	60	120
Sand and clay	70	190
Clay and sand, soft	6	196
Clay	9	205
Sand, coarse, and stones	5	210
Sand, coarse	9	219
Sand, fine	7.3	226.3

(Continued on next page)

N 108. (Continued).

Screen:	21 feet of 4-inch Cook No. 10 gage.
Static water level:	165.75 feet.
Yield:	60 gallons a minute - not maximum capacity.

- -

N 109. Jericho Water District. Well 1. (6 D, 5.5 N., 2.9 W.). Drilled by Layne-New York Co., Inc., June 1924. Altitude about 45 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Gravel, yellow	64	64
Sand, and gravel, brown	144	208
Gravel, coarse	112	320
Hardpan	15	335
Clay, blue	17	352
Hardpan	41	393
Clay, red	29	422
Gravel	29	451
Hardpan	7	458
Gravel	73	531

Record from samples in the office of Layne-New York Co., Inc.

	Depth represented by sample (feet)
Sand, coarse grained, brown, of heterogeneous composition	55-116
Fragments of well rounded quartz pebbles which were probably up to 1 inch in diameter. Some grains of granite or gneiss	138-158
Sand, medium grained, white, quartz	365-435

Screen: 11-inch set from 431.9 to 442.4 feet, and from 463.5 to 524.1 feet.

Pumping test:

June 27, 1924.	Static water level:	26 feet.
	Pumping water level:	72 feet.
	Drawdown:	46 feet.
	Yield:	944 gallons a minute.
	Specific capacity:	20.

N 110. Jericho Water District. Well 2. (6 D, 5.5 N., 2.9 W.). Drilled by Layne-New York Co., Inc., September 1924. Altitude about 50 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Clay, sandy	142	142
Clay	22	164
Sand and gravel	188	352
Clay, blue	39	391
Sand and gravel	129	520

Screen: 11-inch set from 445 to 515 feet.

Pumping test:
Sept. 8, 1924.

Static water level:	24 feet.
Pumping water level:	95 feet.
Drawdown:	71 feet.
Yield:	944 gallons a minute.
Specific capacity:	13.

N 111. Long Island Lighting Co., between Prospect Ave., and Hempstead Harbor, about 600 feet south of Glenwood Landing Rd., Glenwood Landing. (6 D, 5.2 N., 3.3 W.). Drilled by Ralph B. Carter Co., about 1915. Information furnished by owner. Composite log from memory of three wells ranging in depth from about 300 to 400 feet.

	Thickness (feet)	Depth (feet)
Sand, gravel, and clay	30	30
Clay, blue, with streaks of sand	350	380
Hardpan, red	2	382
Gravel, coarse, clean, white	18	400

Casings: 8 inches.
Screens: About 15 feet of Cook set at bottom.
Yield: About 120,000 gallons a day from two of the wells combined.

One of these wells has been equipped with a water-stage recorder since December 14, 1936. Sounded depth 368.9 feet below land surface. Measuring point: top of 8-inch coupling 3.5 feet above land surface, altitude 20.96 feet above mean sea level.

(Continued on next page)

N 111. (Continued).

Lowest water level in feet above mean sea level
(from recorder charts)

Date	Water Level	Date	Water Level	Date	Water Level
1936		1937		1937	
Dec. 15	15.44	Mar. 1	16.32	Aug. 1	13.73
1937		Apr. 1	16.36	Sept. 4	12.82
Jan. 7	16.41	May 1	16.68	Oct. 7	15.52
Feb. 1	16.32	June 1	12.18	Nov. 1	15.78
		July 1	13.73	Dec. 1	15.77

More detailed water level data are available in the Jamaica office of the U. S. Geological Survey.

- -

N 112. New York Water Service Corp. Well 19. Glen Cove. (6 E, 1.4 N., 2.1 W.). Drilled by Artesian Well Drilling Co., in 1930. Altitude 50 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Gravel and boulders	40	40
Sand and gravel, hard packed	4	44
Boulders	2	46
Clay and gravel	1	47
Sand, muddy	13	60
Clay, sandy	12	72
Sand, fine	31	103
Clay, white	2	105
Sand, muddy, and clay	24	129
Sand, coarse, and fine gravel	16	145
Gravel and small streaks of clay	6	151
Gravel	18	169

Static water level: 49.32 feet above mean sea level on April 6, 1932.

Yield: 15 gallons a minute per foot of drawdown in 1930.

There are 18 other wells on this property ranging in depth from 45 to 281 feet.

N 113. Paul G. Pennoyer. Duck Pond Rd., Locust Valley. (6 E, 2.3 N., 0.9 W.). Drilled by Ralph B. Carter Co. Information furnished by driller.

Depth:	456.3 feet.
Casing:	8 inches.
Screen:	15 feet.
Static water level:	165 feet.

- -

N 114. Nassau Country Club. Forest Ave., Glen Cove. (6 E, 2.7 N., 1.2 W.).

There are two wells on this property. Well 1 drilled in 1910, diameter 10 inches, depth 120 feet. Yield 150 gallons a minute. Well 2 drilled in 1911, diameter 10 inches, depth 250 feet. Yield 250 gallons a minute.

- -

N 115. Locust Valley Water District. Well 1. On south side of Buckram Rd., about midway between well 4 and well 5, Locust Valley. (6 E, 3.0 N., 0.2 W.). Drilled by Layne-New York Co., Inc., October 1925. Altitude of concrete floor 75.24 feet above mean sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Soil	3	3
Sand, coarse, and gravel	39	42
Sand and shale, hard, muddy.	38	80
Sand, coarse, and fine gravel.	5	85
Sand, coarse, and shale.	44	129
Sand and shale, hard	21	150
Sand, coarse and gravel.	31	181
Clay, tough.	78	259
Sand, muddy.	41	300
Sand, brown.	20	320
Sand, coarse, loose.	43	363
Sand, coarse	22	385
Sand, coarse, and gravel	54	439

Record by F. G. Wells from an examination of samples in the office of Layne-New York Co., Inc.

	Depth represented by sample (feet)
Clay, gray, silty, fossiliferous	42- 80
Sand, medium grained, fossiliferous.	80-115

(Continued on next page)

N 115. (Continued).

	Depth represented by sample (feet)
Sand, medium grained, straw-colored, quartz, with biotite and some dark minerals.	323-353

Screen: 13-inch set from 126.7 to 180.9 feet.
9-inch set from 340.3 to 409 feet.

Pumping test:
July 3, 1925.

Static water level:	15 feet.
Pumping water level:	68 feet.
Drawdown:	53 feet.
Yield:	770 gallons a minute.
Specific capacity:	15.

- -

N 116. Locust Valley Water District. Well 2. About 25 feet southeast of well 5, Locust Valley. (6 E, 3.0 N., 0.2 W.). Drilled by E. K. Hutchinson in 1925. Altitude of concrete floor 79.81 feet above mean sea level.

Depth:	256 feet.
Diameter:	16 inches.
Screen:	50 feet of 12-inch set in gravel with bottom at 168 feet.
Yield:	800 gallons a minute.

- -

N 117. Locust Valley Water District. Well 3. About 200 feet southeast of well 5, Locust Valley. (6 E, 3.0 N., 0.2 W.). Drilled by E. K. Hutchinson. Altitude of concrete floor 84.15 feet above mean sea level. Information furnished by owner.

Depth:	155 feet.
Casing:	16 inches.
Screen:	12-foot of 12-inch screen set in gravel at bottom.
Static water level:	18 feet on July 1, 1933.
Yield:	400 gallons a minute.

- -

N 118. Locust Valley Water District. Well 4. On south side of Buckram Rd., about 300 feet west of Bayville Rd., Locust Valley. (6 E, 3.0 N., 0.2 W.). Drilled by Layne-New York Co., Inc., May 1932. Altitude of concrete floor, 70.78 feet above mean sea level. Driller's log.

(Continued on next page)

N 118. (Continued).

	Thickness (feet)	Depth (feet)
Sand, yellow	32.5	32.5
Clay, blue, sandy	29.2	61.7
Sand, coarse, and gravel	18	79.7
Clay and cobbles	29.1	108.8
Clay, blue, with soft streaks	171.9	280.7
Sand, hard, brown	18	298.7
Clay, blue	13.3	312
Sand and gravel, brown	41.5	353.5
Clay	4	357.5
Sand and gravel, brown	10.2	367.7
Clay, brown	13	380.7
Sand and gravel, brown	3.2	383.9
Sand and clay, soft	10	393.9
Clay, brown	8	401.9
Sand, coarse, and gravel	74.1	476
Clay and boulders	2	478
Rock	1	479

Record by F. G. Wells from an examination of samples in the office of Layne-New York Co., Inc.

	Depth represented by sample (feet)
Clay, gray, fossiliferous, full of shell fragments and small quartz pebbles	42- 80
Sand, medium grained, fossiliferous	80-115
Sand, medium grained, straw-colored quartz,,with biotite and some other dark colored mineral grains	323-353

A water-stage recorder was in operation on this well from July 23, 1932 to August 7, 1932. During this period the water level ranged from 27.52 feet above mean sea level on July 31 to 22.84 feet above mean sea level on July 26.

N 119. Locust Valley Water District Well 5. On south side of Buckram Rd., about 800 feet east of Baldwin Ave., Locust Valley. (6 E, 3.0 N., 0.2 W.). Drilled by Layne-New York Co., Inc., August 1934. Altitude about 80 feet above sea level. Driller's log.

(Continued on next page)

N 119. (Continued)

	Thickness (feet)	Depth (feet)
Top soil	1	1
Sand, gravel, and boulders	4	5
Muck, black	2	7
Sand, brown, gravel, and boulders	7	14
Sand, fine, brown	1	15
Sand, brown, gravel, and boulders	18	33
Sand, loose, brown	20	53
Sand, brown, gravel, and boulders	12.3	65.3
Clay	3	68.3
Sand and gravel, brown	97.8	166.1
Sand, soft, brown	10	176.1
Sand, brown, and gravel, dirty	21.3	197.4
Sand, brown, gravel, and boulders	15	212.4
Clay	16	228.4
Sand, gravel, and boulders	7	235.4
Clay, brown, and boulders	20	255.4
Sand, gravel, and boulders	9	264.4
Clay, tough	207.8	472.2
Sand and gravel	1	473.2
Clay	8.4	481.6
Clay, sandy	10	491.6
Sand and gravel, loose	10	501.6
Sand and gravel, somewhat harder	11.7	513.3
Sand and gravel, hard	58.9	572.2
Rock	1	573.2

Casing: 18 inches.
Screen: 60 feet of 14-inch.

Pumping test:
Sept. 19, 1934.
Static water level: 50 feet.
Drawdown: 64 feet.
Yield: 1,570 gallons a minute.
Specific capacity: 25.

A water-stage recorder was in operation on this well from October 6, 1934 to October 25, 1934. During this period the water level ranged from 40.74 feet above mean sea level on October 22, to 39.92 feet above mean sea level on October 6.

N 120. Locust Valley Water District. Well 5 A. (Layne-New York Co., Inc. Well 3.) About 200 feet southwest of well 5, Locust Valley. (6 E, 3.0 N., 0.2 W.). 10-inch test hole drilled by Layne-New York Co., Inc., November 1933. Altitude about 80 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Soil and rocks	5	5
Sand, brown	24	29
Clay, sandy	25	54
Clay and boulders	40	94
Clay, blue	10	104
Sand and gravel	54.3	158.3
Clay, brown	25	183.3
Sand, packed	12	195.3
Hardpan	9	204.3
Clay and boulders	9	213.3
Clay, red	178.9	392.2
Sand and gravel, brown	27.3	419.5
Clay, blue	23.1	442.6
Sand and gravel, brown - water-bearing	115.7	558.3
Rock		

Because of mica in water well was abandoned and filled in.

N 121. Creek Club. (6 E, 3.4 N., 0.7 W.). Drilled by Layne-New York Co., Inc., October 1933. Altitude about 120 feet above sea level. Record from examination of samples by F. G. Wells.

	Thickness (feet)	Depth (feet)
No record	42	42
Sand, coarse, buff, and small gravel of heterogeneous composition	43	85
No record	12	97
Sand, coarse, and small gravel, white	36	133
No record	14	147
Sand, coarse, white, quartz	24	171
No record	7	178
Gravel, white, uniform size, quartz, with a little granitic material	29	207
No record	69	276
Sand, medium grained, dirty gray	44	320
Clay, hard, dark blue, reported by driller	79	399
Gravel, white, very uniform, quartz, about 3 mm in diameter, a very few granitic pebbles, but these may be out of place	6	405

N 122. J. F. Aldred. (6 E, 4.7 N., 1.5 W.). Drilled by E. K. Hutchinson & Son in 1914. Altitude about 5 feet above sea level. Information furnished by driller.

Bedrock encountered at about 472 feet and was penetrated a few feet. All water encountered was fresh.

N 123. George F. Baker, Jr. Peacock Lane, Glen Cove. (6 E, 4.5 N., 1.6 W.). Drilled by A. L. Washburn.

	Thickness (feet)	Depth (feet)
No record	37	37
Clay	80	117
Sand, fine, white	13	130
Sand and clay	18	148
Clay	52	200
Clay, red	19	219
Clay and sand	4	223
Sand, coarse, white, thin streak of clay	7	230
Sand, coarse, and gravel	61	291
Clay, red	6	297
Gravel, small lumps of clay	7	304
Clay		

Casing: 8 inches.
Screen: 10 feet of 8-inch Cook No. 40.
Yield: 50 gallons a minute.

N 124. Creek Club. (6 E, 4.6 N., 1.0 W.). Information furnished by owner.

There are two old flowing wells near the beach at the north end of this property. One was drilled in 1920 to a depth of 390 feet. The most southerly well is equipped with a recording pressure gage. Continuous records of artesian pressure have been obtained since July 30, 1937. Measuring point is top of cap on 12-inch casing about 1/2 foot above ground. Altitude of measuring point 9.79 feet above mean sea level.

Lowest water level in feet above mean sea level
(from recorder charts)

Date	Water Level	Date	Water Level
1937		1937	
Sept. 1	16.4	Nov. 1	16.7
Oct. 1	16.2	Dec. 1	17.5

(Continued on next page)

N 124. (Continued).

More detailed water level data are available in the Jamaica office of the U. S. Geological Survey.

- -

N 125. Creek Club. (6 E, 4.6 N., 1.0 W.). Abandoned shallow 10-inch well 10 feet west of well N 124. Sounded depth 36.0 feet below land surface. Measuring point: top of 10-inch coupling, 0.7 foot above land surface, altitude 9.82 feet above mean sea level. Weekly water-level measurements have been made in this well since August 14, 1937.

Water level in feet above mean sea level.

Date	Water Level	Date	Water Level
1937		1937	
Sept. 4	8.19	Oct. 30	7.86
Oct. 2	7.99	Dec. 4	7.74

More detailed water level data are available in the Jamaica office of the U. S. Geological Survey.

- -

N 126. U. S. Coast Guard. On beach at Short Beach Station. (7 B, 0.8 N., 1.7 W.). Drilled by William Margot in 1927. Altitude about 10 feet above sea level. Information furnished by owner.

Depth: About 200 feet.
Casing: 4-inch.
Screen: 5 feet of $2\frac{1}{2}$-inch.
Yield: About 10 gallons a minute by natural flow.

- -

N 127. U. S. Coast Guard. Short Beach Station. (7 B, 0.8 N., 1.7 W.). Drilled by Artesian Well & Supply Co., fall of 1934. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand, very fine, white	65	65
Clay, dirty, black	95	160
Sand, white.	30	190
Clay, dirty, black	20	210
Sand, fine, dirty.	109	319
Clay, dirty, black	21	340
Sand, fine, dirty.	50	390

(Continued on next page)

N 127. (Continued).

	Thickness (feet)	Depth (feet)
Clay, dirty, black	3	393
Sand, fine, dirty	22	415
Clay, dirty, black	25	440
Clay, mixed with dirty sand	55	495
Sand, fine, grayish, clean, white	35	530

Much wood was encountered at lower depths.

Casing: 8 to 6 inches.
Static water level: 10 feet.

N 128. Long Island State Park Commission. Well 1. Jones Beach State Park. (7 B, 1.0 N., 0.4 W.). Drilled by Guaranteed Water Engineering Co. Altitude about 6.1 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Beach sand and meadow clay	75	75
Clay, blue	10	85
Shale	12	97
Sand, muddy	6	103
Shale and muddy sand	69	172
Sand, gray	61	233
Shale	11	244
Sand, coarse	34	278
Clay, blue, sandy	48	326
Sand, white	63	389
Sand, medium, with streaks of clay	88	477
Sand, coarse	41	518
Clay, dark, soft, sandy	64	582
Sand, gray, medium	25	607
Clay, white, soft, sandy	31	638
Clay, dark, sandy	50	688
Sand, fine, gray, micaceous	15	703
Clay, blue, sandy	29	732
Sand, coarse, gray	17	749
Clay, hard, light blue	7	756
Sand, fine to coarse, gray	34	790
Limestone and shale	18	808
Sand, coarse, and gravel	95	903
Clay, black, white, and red	53	956
Sand and gravel, white	78	1034
Hard, dark, formation		

(Continued on next page)

N 128. (Continued).

Screen: 8-inch set from 958 to 1,034 feet.

Pumping test:
Sept. 17, 1929. Drawdown: 26 feet.
Yield: 720 gallons a minute.
Specific capacity 28.

N 129. Long Island State Park Commission. Well 2. Jones Beach State Park. (7 B, 1.4 N., 0.2 W.). Drilled by Layne-New York Co. Inc., November 1933. Altitude about 9.8 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
No record	9	9
Sand, medium, gray	56	65
Clay, dark gray, small gravel	36	101
Sand, very fine, dark gray	71	172
Sand, medium, gray, iron stained	36	208
Sand, coarse, gray	11	219
Clay, dark gray	23	242
Sand, medium, gray, iron stained	19	261
Clay, dark gray, sandy	3	264
Sand, fine, gray, iron stained	22	286
Clay, dark gray	26	312
Clay, dark gray, sandy	23	335
Clay, dark gray, sandy, and small gravel	20	355
Sand, medium, gray, and small gravel	17	372
Clay, dark gray, and small shells	24	396
Sand, fine, light gray	14	410
Clay, gray, sandy	17	427
Sand, fine, gray, iron stained	40	467
Clay, dark gray, iron stained	21	488
Sand, fine, gray, iron stained	44	532
Clay, dark gray, iron stained	33	565
Sand, medium, gray, iron stained	17	582
Clay, dark gray	43	625
Sand, medium, gray, iron stained	31	656
Clay, gray, iron stained	54	710
Sand, fine, gray, iron stained	13	723
Clay, dark gray, iron stained	8	731
Sand, medium gray, iron stained	22	753
Sand, coarse, gray, iron stained	48	801
Sand, medium, gray	80	881
Clay, gray	6	887
Sand, coarse, gray, iron stained	12	899
Clay, gray	10	909

(Continued on next page)

N 129. (Continued).

	Thickness (feet)	Depth (feet)
Sand, coarse, gray	42	951
Clay, gray	4	955
Clay, gray, iron stained	38	993
Sand, medium, gray, iron stained	6	999
Clay, gray	10	1009
Gravel - (as good as filter gravel)	15	1024

Screen: 10-inch set from 889 to 899 feet and from 912 to 951 feet.

An automatic water-stage recorder was in operation on this well from October 21, 1933 to November 7, 1933. During this period the water level ranged from 9.06 feet above mean sea level on October 24, to 7.44 feet above mean sea level on October 25. The water level fluctuates about 1 foot with the tide.

- -

N 130. Great Island. South of Wantagh. (7 B, 3.3 N., 0.1 W.). Altitude about 10 feet above sea level. Record collected by W. O. Crosby.

	Thickness (feet)	Depth (feet)
Marsh mud	10	10
Clay, blue	6	16
Sand and gravel, yellow, and shells	7	23
Clay and white gravel	2	25
Gravel, coarse and fine, white	8	33
Sand, coarse, yellow	7	40
Sand and gravel, white	15	55
Clay, light blue	7	62
Sand and gravel, dark	6	68

Chloride, 3.5 parts per million.

- -

N 131. Village of Freeport. Well 1. Lakeview Ave. and Jesse St. (7 B, 5.5 N., 3.8 W.). Drilled by Layne-New York Co., Inc., May 1929. Altitude 20.77 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand and red gravel	69	69
No record	10	79
Sand, yellow	12	91

(Continued on next page)

N 131. (Continued).

	Thickness (feet)	Depth (feet)
Sand, brown	19	110
Clay	8	118
Clay, sandy	23	141
Clay, soft, sandy	20	161
Sand, medium, and gravel	65	226
Sand, fine	17	243
Clay	17	260
Clay, tough	47	307
Sand, muddy	10	317
Sand, hard packed	75	392
Clay	5	397
No record	34	431
Clay, tough	29	460
Sand, packed	8	468
Sand, coarse, packed	57	525
Clay	8	533

Screen: 16-inch set from 169 to 227 feet.
8-inch set from 473 to 523 feet.

Pumping test:
Static water level: 9 feet.
Pumping water level: 24 feet.
Drawdown: 15 feet.
Yield: 1,190 gallons a minute.
Specific capacity: 79.

N 132. Village of Freeport. Well 2. Lakeview Ave. and Jesse St., 215 feet north of Well 1. (7 B, 5.5 N., 3.8 W.). Drilled by Layne-New York Co., Inc., January 1929. Altitude about 20 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand, red	10	10
Sand, coarse	31	41
Sand, coarse, and gravel	43	84
Sand, fine, gray	22	106
Sand, coarse	21	127
Clay, tough	10	137
Sand, muddy	12	149
Sand, light	44	193
Sand, coarse, light	53	246
Clay	32	278
Sand, fine, loose	70	348

(Continued on next page)

N 132. (Continued).

	Thickness (feet)	Depth (feet)
Clay, tough	5	353
Sand, gray, hard	28	381
Sand, hard	49	430
Clay, tough	26	456
Sand, loose	12	468
Sand, coarse	48	516
Clay	8	524
Sand, fine	9	533
Sand	9	542
Sand, muddy	12	554
Clay, tough	12	566
Sand, muddy	9	575
Sand, rough	10	585
Sand, tough	12	597
Sand, coarse, and gravel, hard	48	645
Clay	4	649
Sand, hard	9	658

Bottom of service well reported to be at 524 feet.

Driller's log.

Sand, coarse	41	41
Sand, coarse, and gravel	43	84
Sand, fine, gray	22	106
Sand, coarse	21	127
Clay, tough	10	137
Sand, muddy	12	149
Sand, loose	44	193
Sand, coarse, loose	53	246
Clay, tough	32	278
Sand, fine	70	348
Clay	5	353
Sand	7	360
Sand, hard packed	69	429
Clay, tough	26	455
Sand, fine	12	467
Sand, coarse	48	515
Clay	8	523

N 133. Village of Freeport. Well 3. Lakeview Ave., about 300 feet South of Hempstead-Babylon Turnpike. (7 B, 5.5 N., 3.8 W.). Drilled by Layne-New York Co., Inc., June 1931. Altitude 24.17 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand, coarse, loose, and gravel	87	87
Clay, soft	5	92
Sand, fine, gray	27	119
Clay, tough	11	130
Sand, muddy	10	140
Sand, fine, loose	12	152
Sand, hard, gray	59	211
Clay, tough	5	216
Sand, hard	34	250
Clay, tough	20	270
Sand, muddy	43	313
Sand, hard	52	365
Sand and gravel, hard	66	431
Clay, soft	22	453
Clay, hard, sandy	14	467
Sand, hard, and fine gravel	49	516
Clay and hard sand	2	518
Sand, hard, and streaks of clay	15	533

Record by F. G. Wells from an examination of samples in the office of Layne-New York Co., Inc.

	Depth represented by sample (feet)
Sand, medium, white, with small pebbles, many of which show fragments of feldspar. This sample obviously contains erratic material	313-365
Sand, coarse, and small gravel, gray mostly quartz. This is not glacial	467-533

Screen: 12-inch set from 469.4 to 511.1 feet.

- -

N 134. Village of Freeport. Well 4. Lakeview Ave. and Jesse St., about 300 feet east of Well 1. (7 B, 5.5 N., 3.8 W.). Drilled by Layne-New York Co., Inc., August 1935. Driller's log.

(Continued on next page)

N 134. (Continued).

	Thickness (feet)	Depth (feet)
Sand, coarse, brown	40.5	40.5
Sand, coarse, dark brown	30.7	71.2
Sand, medium, gray	66.8	138
Clay, sandy	7.2	145.2
Clay, tough, and lignite	12.5	157.7
Clay, lignite, and streak of sand	47.6	205.3
Clay and streaks of sand	41.1	246.4
Clay, tough, blue	33.9	280.3
Sand, medium, loose	15.7	296
Clay	1	297
Sand, loose	31.3	328.3
Sand, fine, packed	48.3	376.6
Clay, tough, blue	7	383.6
Sand, muddy, packed	32.1	415.7
Clay, tough, blue	21	436.7
Sand, medium, gray	16.1	452.8
Sand, coarse, gray, packed	70.1	522.9
Clay, blue	2	524.9
Clay and sand, mixed	32	556.9

Casing: 18 to 12 inches.
Screen: 12-inch Johnson Everdur set from 467 to 517 feet.

Pumping test:
Static water level: 7.5 feet.
Pumping water level: 34 feet.
Drawdown: 26.5 feet.
Yield: 1,500 gallons a minute.
Specific capacity: 57.

- -

N 135. City of New York, Department of Water Supply, Gas & Electricity. Test Well 1. East Meadow Brook, near Babylon Turnpike, about a half a mile north of Long Island Railroad. (7 C., 0.0 N., 3.8 W.). Jetted by owner. Altitude about 15 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand, fine, quartz, a little fine gravel, and lignite	2	2
Gravel, coarse, coarse and medium dirty sand	6	8
Gravel, medium	6	14
Gravel, fine, medium sand, clean	3	17
Gravel, coarse, coarse and medium clean sand	3	20
Gravel, coarse, clean	1	21

(Continued on next page)

N 135. (Continued).

	Thickness (feet)	Depth (feet)
Sand, coarse and medium.	3	24
Gravel, medium, coarse sand, some mica	6	30
Sand, fine, quartz	3	33
Sand, fine, quartz, and pieces of white clay and gravel.	8	41
Clay, gray, sandy.	.5	41.5
Gravel, medium, and coarse rusty sand.	2.5	44
Clay, rusty, yellow, sandy	14	58
Sand, fine, yellow	12	70
Sand, medium, yellow	5	75
Sand, fine, white.	5	80
Sand, medium, rusty.	10	90
Sand, medium, white, quartz.	20	110
Sand, medium and fine, white, quartz	40	150

Casing: 8-inches.

Record compiled by W. O. Crosby.

Sand and gravel, yellow, no recognizable granitic material, except one pebble of decomposed diorite (?) between 20 and 21 feet.	21	21
Sand, coarse to medium, yellow, no erratics.	3	24
Gravel, medium, yellow, quartz, no erratics.	6	30
Sand, fine, gray to brown, micaceous, gray clay near base (looks like Cretaceous)	11	41
Gravel, medium, yellow, quartz, and sand, no erratics.	3	44
Clay, deep yellow, sandy, micaceous.	14	58
Sand, fine, buff, micaceous.	12	70
Sand, medium, deep yellow.	5	75
Sand, very fine, white, micaceous, quartz.	5	80
Sand, medium, deep yellow, quartz.	10	90
Sand, fine to medium, white quartz, micaceous. . . .	60	150

- -

N 136. City of New York, Department of Water Supply, Gas & Electricity. Test Well 2. East Meadow Brook, 1.4 miles north of Long Island Railroad. (7 C, 0.9 N., 3.7 W.). Jetted by owner in 1909. Altitude about 25 feet above sea level. Record furnished by owner.

(Continued on next page)

N 136. (Continued).

	Thickness (feet)	Depth (feet)
Soil, medium sand, and fine gravel	2	2
Soil, medium and fine sand, stained	3	5
Sand, medium and coarse, quartz	7	12
Gravel, fine, and coarse quartz sand	1	13
Sand, medium and coarse, quartz	11	24
Sand, medium and fine, rusty	3	27
Sand, fine and medium, light yellow	3	30
Sand, medium, rust stained	5	35
Clay, blue, and rusty, with fine gravel	2	37
Clay, compact, gray	21	58
Sand, medium, very fine gravel, and lignite	3	61
Sand, fine, white, quartz, and lignite	14	75
Clay, compact, gray	9	84
Sand, fine, gray, dirty	3	87
Sand, fine, gray	35	122

Casing: 8 inches.

Record compiled by W. O. Crosby.

Sand and gravel, brown and yellow, little or no erratic material	12	12
Gravel, fine, quartz, and coarse sand, trace of erratic material	1	13
Sand, medium to coarse, yellow, quartz	11	24
Sand, fine, yellow and buff	6	30
Sand, medium, yellow and gray	5	35
Clay, gray and rusty, and fine gravel	2	37
Clay, dark gray	21	58
Sand, medium, gray, fine gravel, and lignite	3	61
Sand, fine, white, micaceous, and lignite	14	75
Clay, dark gray, micaceous	9	84
Sand, fine to medium, gray, micaceous	38	122

- -

N 137. City of New York, Department of Water Supply, Gas & Electricity. Well 1. Wantagh Stream. (7 B, 5.5 N., 0.8 W.). Altitude about 10 feet above sea level. Record compiled by W. O. Crosby.

	Thickness (feet)	Depth (feet)
Sand and gravel, yellow, with a small proportion of hard and sound granitic material	15	15
Sand and gravel, yellow-white, trace of sound granite	15	30

(Continued on next page)

N 137. (Continued).

	Thickness (feet)	Depth (feet)
Gravel, partly stained by manganese oxide, trace of granite	2	32
Sand and fine gravel, deep yellow, trace of hard granite	10	42
Sand, fine to medium, light gray, very micaceous	23	65
Clay, dark gray, sandy and micaceous, trace of lignite	2	67
Clay, white, plastic, slightly micaceous	1	68
Sand, fine to coarse, buff-gray, and trace of clay.	2	70
Clay, dark gray, sandy, micaceous, no lignite	5	75
Sand, fine, buff, micaceous and slightly clayey	3	78
Sand, fine to medium, buff, micaceous, but not clayey	12	90

- -

N 138. City of New York, Department of Water Supply, Gas & Electricity. Test Well 5. Wantagh Stream at Mill Road, 0.7 mile north of Long Island Railroad. (7 C, 1.1 N., 1.1 W.). Drilled by owner in 1909. Altitude about 25 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Soil, coarse sand, and gravel	1	1
Sand, coarse, and fine gravel	7	8
Sand, medium and coarse, and fine gravel	7	15
Sand, coarse, and gravel, clean	15	30
Sand, coarse, and gravel, stained black	2	32
Sand, coarse, and medium gravel, rusty	10	42
Sand, fine, white, micaceous	23	65
Clay, compact, gray	2	67
Clay, compact, white	1	68
Sand, fine, medium and coarse, dirty	2	70
Clay, compact, gray	5	75
Sand, fine and medium, yellow, dirty	3	78
Sand, fine, medium and coarse, rusty sandrock	12	90
Sand, fine, white, containing powdered white clay	2	92
Sand, medium and coarse, white	8	100
Sand, medium, light yellow	10	110
Sand, medium, white, quartz	15	125

Casing: 8 inches.

(Continued on next page).

N 138. (Continued).

Record compiled by W. O. Crosby.

	Thickness (feet)	Depth (feet)
Gravel and sand, yellow, some granitic material . .	15	15
Gravel and sand, yellow, trace of erratic material.	15	30
Gravel and sand, yellow, black stain, no erratic material	2	32
Gravel, fine, yellow, and sand, no erratics	10	42
Sand, fine, gray, highly micaceous, specks of red iron oxide	23	65
Clay, compact, gray, micaceous.	2	67
Clay, white, plastic	1	68
Sand, fine to coarse, yellow	2	70
Clay, gray, sandy, micaceous	5	75
Sand, fine to medium, yellow, micaceous, and sandstone crusts	15	90
Sand, very fine to medium, white, micaceous	10	100
Sand, fine to medium, yellow, micaceous	10	110
Sand, fine to medium, white, micaceous	15	125

- -

N 139. City of New York, Department of Water Supply, Gas & Electricity. Test Well 6. Wantagh Stream at Massapequa Turnpike, north of Long Island Railroad. (7 C, 1.8 N., 1.2 W.). Drilled by owner in 1909. Altitude about 40 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Soil and coarse, dirty, gravel	2	2
Gravel, coarse, and sand	3	5
Gravel, coarse, yellow, and sand	13	18
Gravel, medium, and sand	2	20
Gravel and sand, clean, fine, medium and coarse gravel, very well assorted and sharp sand	11	31
Gravel, coarse, and sand	9	40
Gravel, fine, and sand	5	45
Gravel, medium, and sand	7	52
Gravel, medium, and very fine yellow sand	2	54
Sand, fine, white, and white clay	2	56
Sand, very fine, white	9	65
Sand, medium, clean, a little fine gravel	2	67
Clay, compact, yellow and gray	1	68
Sand, medium and coarse, brown	4	72
No record	3	75
Sand, medium, white, a little fine gravel	2	77
Gravel, coarse, and medium clean sand	3	80

(Continued on next page)

N 139. (Continued)

	Thickness (feet)	Depth (feet)
Sand, medium, white, a few pieces of fine gravel . .	8	88
Sand, medium, light gray	27	115

Casing: 8 inches.

Record compiled by W. O. Crosby.

Gravel and sand, yellow, traces of erratic material	31	31
Sand and gravel, yellow, no erratic material . . .	23	54
Sand, fine, buff, micaceous, and streaks of clay. .	2	56
Sand, fine, white, micaceous	9	65
Sand, medium to coarse, white, and gravel	2	67
Clay, hard, yellow	1	68
Sand, medium to coarse, yellow	4	72
No record	3	75
Sand, fine, buff, micaceous, and a little gravel .	2	77
Gravel, coarse, and medium sand	3	80
Sand, medium, buff, micaceous, and a little gravel.	8	88
Sand, fine, white, micaceous	27	115

- -

N 140. City of New York, Department of Water Supply, Gas & Electricity. Well 7. Wantagh Stream at Old Jerusalem Rd., 2.5 miles north of Long Island Railroad. (7 C, 2.8 N., 1.4 W.). Drilled by owner in 1909. Altitude about 55 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sandy loam	2	2
Gravel, coarse, dirty	3	5
Gravel, coarse, clean, and sand	3	8
Gravel, medium, and coarse sand, yellow	17	25
Sand, coarse, and fine gravel	3	28
Gravel, very coarse, clean	12	40
Gravel, coarse, and sand	15	55
Clay, white, soft, sandy	1	56
Sand, fine, brown	6	62
Sand, fine, yellow, and rusty sandstone	5	67
Sand, fine, white, and clay dust	19	86
Sand, medium, white, clean	4	90
Sand, medium, rusty	2	92
Sand, medium, light yellow	18	110
Sand, medium, yellow	8	118

(Continued on next page)

N 140. (Continued).

	Thickness (feet)	Depth (feet)
Sand, medium and coarse, light yellow	22	140
Sand, coarse, gray, and lignite	10	150
Sand, fine, gray, and lignite	6	156

Casing: 8 inches.

Record compiled by W. O. Crosby.

Gravel and sand, yellow, trace of erratic material.	25	25
Gravel and sand, yellow, no erratic material	3	28
Gravel, coarse, clean, white, no erratic material .	12	40
Sand, coarse, yellow, and gravel, no erratic material	15	55
Sand, yellow, clayey, and crusts of sandstone . . .	7	62
Sand, fine, yellow, micaceous, partly cemented. . .	5	67
Sand, fine, white, micaceous	19	86
Sand, medium, white, micaceous	6	92
Sand, fine to medium, buff, micaceous	26	118
Sand, medium, white, micaceous	22	140
Sand, medium to coarse, gray, micaceous, and lignite	16	156

- -

N 141. City of New York, Department of Water Supply, Gas & Electricity. Test Well 3. East Meadow Brook, at Old Jerusalem Rd., 2.5 miles north of Long Island Railroad. (7 C, 1.9 N., 4.2 W.). Jetted by owner in 1909. Altitude about 40 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand and coarse gravel, dirty yellow	2	2
Gravel, coarse	2	4
Gravel, fine, and coarse sand	2	6
Gravel, coarse, rusty	12	18
Sand, coarse and medium, with a little fine gravel . .	7	25
Gravel, very coarse, and coarse sand	8	33
Gravel, very coarse, and coarse sand, very rusty . . .	1	34
Sand, coarse, rusty, with a little gravel	2	36
Sand, medium, yellow	2	38
Gravel, coarse, with pieces of white clay	2	40
Sand, medium, yellow, dirty, with pieces of clay . . .	3	43
Clay, soft, sandy, yellow and white	7	50
Sand, fine, yellow, dirty	4	54
Sand, fine, yellow, clean	6	60

(Continued on next page)

N 141. (Continued).

	Thickness (feet)	Depth (feet)
Clay, compact, light yellow	19	79
Sand rock, rusty, very hard	1	80
Clay, white, with spots of rust	1	81
Sand, fine, white, with lignite, dirty	1	82
Clay, compact, white, sandy, with spots of rust	1	83
Sand, medium and fine, white, pieces of rusty sandstone	13	96
Clay, compact, white, with spots of rust	4	100
Sand, medium and fine, quartz	9	109

Casing: 8 inches.

Record compiled by W. O. Crosby.

Gravel and sand, yellow, traces of hard granitic material	18	18
Gravel and sand, yellow, no erratic material	16	34
Sand and gravel, yellow, lumps of clay, no erratic material	2	36
Sand, medium, light yellow, slightly micaceous	2	38
Gravel, yellow to white, and white plastic clay no erratics	2	40
Sand, medium, yellow, buff clay, and some pebbles, no erratic material	3	43
Clay, white, plastic, some streaks of sand	7	50
Sand, fine to medium, yellow, micaceous, no clay	10	60
Clay, buff, plastic, streaks of micaceous sand	10	70
Sand, fine to medium, buff to gray, micaceous, and some clay	9	79
Sandstone, ferruginous, in streaks	1	80
Clay, white, micaceous, sandy, no lignite	1	81
Sand, fine, gray, lignitic, slightly micaceous	1	82
Clay, white, micaceous, sandy, no lignite	1	83
Sand, fine, buff to yellow, and crusts of ferruginous sandstone	13	96
Clay, white, plastic, and streaks of micaceous sand	4	100
Sand, medium, buff, micaceous, and specks of lignite	9	109

- -

N 142. Richard Knabbe. Jerusalem Ave., near Smith St., Hempstead. (7 C, 1.9 N., 4.2 W.). Record by G. H. Clark from examination of samples.

(Continued on next page)

N 142. (Continued).

	Thickness (feet)	Depth (feet)
No record	2	2
Sand, coarse, and gravel, poorly sorted	3	5
Sand, coarse, and gravel	39	44
Sand, coarse, with small percentage of gravel	1.5	45.5

Casing: 4 inches.

N 143. City of New York, Department of Water Supply, Gas & Electricity. Test Well 4. East Meadow Brook, 3.7 miles north of Long Island Railroad. (7 C, 3.0 N., 4.3 W.). Jetted by owner in 1909. Altitude about 60 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Soil and fine gravel	2	2
Sand, coarse, and medium gravel, dirty	2	4
Gravel, very coarse	2	6
Gravel, coarse, and coarse sand, clean	2	8
Gravel, coarse, rusty	1	9
Gravel, coarse, clean	1	10
Sand, coarse, and fine gravel	1	11
Sand, coarse, and coarse gravel	2	13
Sand, medium and coarse, and fine gravel	2	15
Sand, medium and fine, and fine gravel	2	17
Gravel, coarse, and coarse and medium sand	3	20
Gravel, very coarse.	2	22
Sand, coarse, and gravel	1	23
Gravel, coarse, with layers of compact white clay	2	25
Gravel, very coarse, rusty, and coarse sand	1	26
Gravel, very coarse, rusty, fossils	2	28
Sand, coarse, and fine gravel	2	30
Gravel, very coarse, clean	8	38
Sand, medium and fine, white, quartz	2	40
Sand, medium and fine, white, quartz, some gravel	4	44
Sand, medium and fine, white, quartz	2	46
Sand, medium, white, quartz	4	50
Sand, medium and fine, white, quartz	2	52
Sand, medium and coarse, white, quartz, dirty	4	56
Sand, coarse, white, quartz	4	60
Sand, medium, quartz, dirty	6	66
Clay, compact, white	4	70
Sand, medium, light yellow	6	76
Sandstone, rusty, and white clay	2	78

(Continued on next page)

N 143. (Continued).

	Thickness (feet)	Depth (feet)
Sand, medium, white	4	82
Sand, medium, white, rusty	2	84
Sand, medium, quartz	1	85

Casing: 8 inches.

Record compiled by W. O. Crosby.

Gravel and sand, yellow, trace of erratic material.	13	13
Gravel and sand, yellow, no erratic material . . .	10	23
Gravel, coarse, yellow, and layer of hard white clay	2	25
Gravel, coarse, yellow, piece of fossil coral . . .	3	28
Gravel, fine, yellow	2	30
Gravel, coarse, yellow	8	38
Sand, fine to medium, buff, micaceous, some gravel.	14	52
Sand, medium to coarse, yellow, micaceous	14	66
Clay, whitish, plastic	4	70
Sand, medium, yellow, micaceous	6	76
Clay, whitish, and ferruginous sandstone	2	78
Sand, medium, buff, micaceous	7	85

- -

N 144. W. T. Lowden. Fulton St., near Carman Ave., East Meadow. (7 C, 4.0 N., 3.3 W.). Drilled by Stanley Molinari in 1937. Driller's log.

	Thickness (feet)	Depth (feet)
Loam	4	4
Sand and gravel	40	44
Clay	2	46
Sand and gravel, coarse	11	57

Casing: 6 inches.
Static water level: 25 feet.
Yield: 100 gallons a minute.

- -

N 145. Meadowbrook Hospital. East Meadow Brook. (7 C, 4.1 N., 2.6 W.). Drilled by A. S. Hutchinson Co., August 1932. Altitude about 90 feet above sea level. Driller's log.

(Continued on next page)

N 145. (Continued).

	Thickness (feet)	Depth (feet)
Gravel and sand	110	110
Clay, red and brown, with some fine sand	71	181
Sand, micaceous	12	193
Sand, fine	17	210
Sand and small gravel	79	289

Casing: 8 to 6 inches.
Screen: 6-inch set from 277 to 289 feet.

Static water level: 30 feet below surface.

- -

N 146. City of New York, Department of Water Supply, Gas & Electricity. Test Well 8. Wantagh Stream at Bethpage Rd., 3.7 miles north of Long Island Railroad, Montauk Division. (7 C, 3.9 N., 1.8 W.). Drilled by owner in 1909. Altitude about 80 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Loam, black	1	1
Sand and gravel, dark brown	9	10
Sand and large gravel, light yellow	2	12
Sand, gray, clean, and large gravel	8	20
Sand, brown, and large gravel	8	28
Sand, brown, and large gravel, traces of iron in gravel	2	30
Sand, clean, light brown, and large gravel	28	58
Sand, dark brown, and large gravel	12	70
Sand, light gray, and large gravel	10	80
Sand, dark gray, and large gravel	9	89
Clay, blue	7	96
Sand, coarse, brown	19	115
Sand, fine, dark brown	2	117
Sand, coarse, reddish	13	130
Sand, coarse, reddish, and traces of lignite	26	156
Sand, light brown, and gray, mixed	10	166
Sand, coarse, brown, and traces of wood	4	170

Casing: 8 inches.

(Continued on next page)

N 146. (Continued).

Record compiled by W. O. Crosby.

	Thickness (feet)	Depth (feet)
Gravel and sand, yellow, trace of erratic material .	20	20
Gravel and sand, yellow, no erratic material	60	80
Sand, fine to medium, buff, micaceous	9	89
Clay, laminated, gray, micaceous	7	96
Sand, medium, buff, micaceous	11	107
Sand, fine, yellow, micaceous	8	115
Sand, medium, buff, micaceous	15	130
Sand, fine, white, micaceous, and trace of lignite .	2	132
Sand, medium, buff, micaceous, and trace of lignite.	38	170

- -

N 147. City of New York, Department of Water Supply, Gas & Electricity. Well 9. 3 miles west of Central Park. (7 C, 5.0 N., 1.9 W.). Altitude about 105 feet above sea level. Record compiled by W. O. Crosby.

	Thickness (feet)	Depth (feet)
Sand, medium to coarse, yellow, and gravel, many to few erratics	40	40
Sand and gravel, medium to coarse, yellow, no erratic material	28	68
Sand, coarse, rusty, and gravel, lumps of gray clay, no erratic material	5	73
Clay, white, plastic, and gray micaceous sandy clay.	1	74
Sand, fine to very coarse, yellow, and gravel . . .	6	80
Sand, medium, yellow, and a little fine gravel, no erratic material	15	95
Sand, fine to medium, and brown to reddish clay, slightly micaceous	46	141
Clay, brown, sandy, micaceous, (chocolate clay) . .	9	150
Clay, dark and light gray, laminated, micaceous, sandy, pyrite abundant	2	152
Clay, brownish-drab (chocolate) plastic, no pyrite .	5	157
Sand, fine to medium, brownish, micaceous, clayey, no pyrite	18	175
Sand, medium, yellow, some mica	4	179
Clay, dark gray and chocolate, micaceous, sandy streaks and pyrite nodules	1	180
Sand, medium, clayey, micaceous, yellow	28	208

N 148. Hicksville Water District. Well 3. Newbridge Rd., south of Duck Lane, Hicksville. (7 C, 5.1 N., 1.9 W.). Drilled by Layne-New York Co., Inc., October 1930. Altitude 115.19 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand, coarse, and gravel	55	55
Sand, coarse	61.9	116.9
Clay, soft, and gravel	21.3	138.2
Sand and gravel	20	158.2
Clay, red, and gravel	79.4	237.6
Sand, packed	16.1	253.7
Clay, blue, and gravel	24	277.7
Sand, coarse, white	23	300.7
Clay, gray	12	312.7
Sand, medium, white	43	355.7
Clay, gray	10	365.7
Sand, coarse, yellow	34.3	400
Sand, coarse, white	35.2	435.2
Clay	12	447.2
Sand, medium, yellow	73	520.2
Clay, yellow	3	523.2

Record by F. G. Wells from examination of samples.

	Depth represented by sample (feet)
Sand, coarse, brown, heterogeneous, glacial	55-110
Pebbles, well rounded, quartz, fragments, which were probably as large as 1 inch before breaking, some grains of granite or gneissoid pebbles	138-150
Sand, medium grained, white, quartz	365-435

Screen: 18-inch set from 133.3 to 152 feet.
12-inch set from 133.3 to 152 feet.

Pumping test:
Nov. 6, 1930.

Static water level:	48 feet.
Pumping water level:	98 feet.
Drawdown:	50 feet.
Yield:	1,080 gallons a minute.
Specific capacity:	22.

N 149. Hicksville Water District. Well 1. Bethpage Rd., west of Long Island Railroad. (7 D, 1.8 N., 1.2 W.). Drilled by Karlson & Reed, Inc., June 1924. Altitude of base of pump 161.19 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Gravel	89	89
Sand, coarse	10	99
Gravel	28	127

Casing: 15 inches.
Static water level: 37 feet below base of pump.
Yield: 575 gallons a minute with 24 foot drawdown.

N 150. Hicksville Water District. Well 2. Bethpage Rd., west of Long Island Railroad. (7 D, 1.8 N., 1.2 W.). Drilled by Karlson & Reed, Inc., July 1924. Altitude of base of pump 162.0 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Gravel	12	12
No record	25.5	37.5
Gravel, coarse	20	57.5
Gravel, heavy	35.5	93
Sand, yellow	8.7	101.7
Gravel	28.3	130

Casing: 15 inches.
Static water level: 44 feet below base of pump.
Yield: 540 gallons a minute with 29 foot drawdown.

N 151. Orazio Iovino. About 0.3 mile north of Prospect Ave., and about 0.3 mile west of Cantiage Rd., New Cassel. (7 D, 1.3 N., 2.9 W.). Drilled by C. W. Lauman & Co., April 1935. Log compiled by G. H. Clark from an examination of samples.

	Thickness (feet)	Depth (feet)
No record	1	1
Sand and gravel, dirty	7	8
Sand and gravel, clean	2	10
Sand and gravel, poorly sorted	25	35
Sand, fine, yellow	24	59
Sand, medium to coarse, light yellow, with some fine gravel	22	81

N 152. Village of Old Westbury. Well 1. About 100 feet north of Jericho Turnpike, 0.3 mile east of Powell's Lane, 1 mile east of Post Ave., Old Westbury. (7 D, 1.6 N., 3.8 W.). Drilled by Layne-New York Co., Inc., May 1935. Altitude about 142 feet above sea level. Log compiled by H. R. Blank from driller's log and examination of samples.

	Thickness (feet)	Depth (feet)
Sand, coarse, light brown, and fine gravel	60	60
Clay	8	68
Sand, fine, yellowish-brown	21	89
Sand, fine, yellowish-brown, with streaks of very fine sand or sandy clay	49	138
Sand, fine and medium, yellowish-brown, with a little coarse sand	52	190
Sand, fine and medium, yellowish-gray, with a little coarse sand	26	216
Sand, fine, yellowish-gray, with streaks of very fine sand	29	245
Clay, sandy, yellow and white	6.5	251.5
Sand, fine, gray, with numerous limonite concretions	21.2	272.7
Sand, fine, gray, with limonite concretions	19.9	292.6
Sand, fine, and coarse, gray, brownish from abundant limonite concretions	21.2	313.8
Sand, fine, and coarse, brownish-gray, with considerable limonite	21.7	335.5
Sand, fine, medium and coarse, yellowish-brown	24.9	360.4
Clay, white	4	364.4
Sand, grayish-white, with streaks of clay and fine gravel, some blue quartz	13.2	377.6
Sand, gray	40.6	418.2
Clay, sandy	10	428.2
Sand, reddish	31	459.2
Sand, coarse, brown, and gravel	42.2	501.4

Casing: 16 to 8 inches.
Screen: 8-inch set from 436 to 476 feet.

Pumping tests:

May 2, 1935.
- Static water level: 61 feet.
- Drawdown: 50 feet.
- Yield: 800 gallons a minute.
- Specific capacity: 16.

Aug. 12, 1935.
- Static water level: 60 feet.
- Pumping water level: 88 feet.
- Drawdown: 28 feet.
- Yield: 532 gallons a minute.
- Specific capacity: 19.

N 153. F. S. Von Stade. Powell's Lane, Westbury. (7 D, 2.3 N., 3.8 W.). Drilled by Conlan.

	Thickness (feet)	Depth (feet)
Gravel and fine sand	140	140
Clay	20	160
Sand, fine - water-bearing	21	181

N 154. George E. Kent. Jericho. (7 D, 3.2 N., 2.0 W.). Drilled by Artesian Well & Supply Co., December 1922. Information furnished by Suburban Engineering Co.

	Thickness (feet)	Depth (feet)
Sand and gravel, coarse	224	224
Clay		

Casing: 8 inches.
Screen: 11 feet of 14 gage Cook.
Water level: 185 feet.
Yield: 50 gallons a minute.

N 155. Mrs. B. Wallach. Jericho Rd., about 600 feet from Pine Hollow Rd., Brookville. (7 D, 4.0 N., 2.2 W.).

Screen: Set from 184 to 206 feet.
Water level: 135 feet.
Yield: 50 gallons a minute.

N 156. P. W. Livermore. Cedar Swamp Rd., Jericho. (7 D, 3.5 N., 2.9 W.). Drilled by Artesian Well & Supply Co.

Screen: Set from 147 to 159 feet.
Water level: 122 feet.
Yield: 80 gallons a minute.

N 157. J. N. Hill. Wheatley Rd., near Cedar Swamp Rd., Wheatley Hills. (7 D, 3.9 N., 4.2 W.). Diameter 6 inches, depth about 300 feet. Measuring point: top of 6-inch casing, about flush with land surface, and 218.68 feet above mean sea level.

(Continued on next page)

N 157. (Continued).

An automatic water-stage recorder was installed on this well September 22, 1932 and is still in operation.

Lowest water level in feet above mean sea level
(from recorder charts)

Date	Water Level	Date	Water Level	Date	Water Level
1932		1934		1936	
Oct. 1	76.93	June 1	77.49	Aug. 1	81.14
Nov. 1	77.01	July 1	78.01	Sept.1	81.37
Dec. 1	76.82	Aug. 1	78.29	Oct. 1	81.48
1933		Sept. 1	78.66	Nov. 1	81.33
Jan. 1	76.06	Oct. 1	79.10	Dec. 1	81.03
Feb. 1	76.32	Dec. 1	79.48	1937	
Mar. 1	76.32	1935		Jan. 1	81.23
Apr. 1	76.33	Jan. 1	79.68	Feb. 1	81.57
May 1	75.95	Feb. 2	80.04	Mar. 1	81.58
Aug. 1	76.36	Mar. 2	80.03	Apr. 1	81.73
Sept.1	76.64	Apr. 1	80.11	May 1	81.92
Oct. 1	76.65	May 1	80.16	June 1	82.43
Oct.31	76.95	June 1	80.47	July 1	82.52
Dec. 1	76.60	Aug. 1	81.12	Aug. 1	82.94
1934		Dec. 3	81.20	Sept.1	83.20
Jan. 1	77.03	1936		Oct. 1	83.27
Feb. 1	76.98	Jan. 1	80.90	Nov. 1	82.92
Mar. 1	76.92	May 2	80.78	Dec. 1	83.10
Apr. 1	77.25	May 31	80.92		
May 1	77.25	July 1	81.04		

More detailed water level data are available in the Jamaica office of the U. S. Geological Survey.

- -

N 158. John Scheepers. West Hempstead Turnpike, Brookville. (7 D, 54 N., 3.9 W.). Drilled by Artesian Well & Supply Co., June 1930.

Casing:	8-inches.
Depth:	259 feet.
Screen:	10 feet of No. 14 Cook.
Static water level:	97 feet.
Yield:	71 gallons a minute.

N 159. Bronson Winthrop. Well 2. (7 D, 5.1 N., 2.4 W.). Drilled by Artesian Well & Supply Co. Altitude about 280 feet above sea level. Record furnished by Suburban Engineering Co.

	Thickness (feet)	Depth (feet)
Surface loam	5	5
Sand, earthy, coarse to fine, with small pebbles	20	25
Sand, very fine to coarse, clean angular grains, small pebbles 1/8 to 1/2 inch	85	110
Sand, earthy	10	120
Sand, medium to coarse	50	170
Sand and red clay	10	180
Clay, gray	10	190
Clay, sand, and pebbles	10	200
Clay, blue, black	10	210
Clay, light	23	233
Sand, fine, white	2	235
Sand, coarse, white	50	285
Sand, medium coarse	25	310
Clay, sandy	10	320
Clay, light	15	335
Sand, coarse	10	345
Sand, fine	17	362

Casing: 8 inches.
Screen: 10 feet.
Static water level: 207 feet.
Yield: 95 gallons a minute.

N 160. Charles H. Senff. Muttontown Rd., and Pine Hollow Rd., East Norwich. (7 D, 5.4 N., 1.9 W.). Drilled by Artesian Well & Supply Co., December 1922. Information furnished by Suburban Engineering Co.

Casing: 10 to 6 inches.
Depth: 519 feet.
Screen: 23 feet of Cook.
Water level: 178 feet.
Yield: 100 gallons a minute.

N 161. James A. Burden. Muttontown Rd., about 1/2 mile west of Syosset Railroad station. (7 D, 4.9 N., 0.8 W.).

Screen: Set from 163 to 175 feet.
Water level: 132 feet below pump house floor.
Yield: 156 gallons a minute.

N 162. Robert E. Tod. Underhill Lane, Syosset. (Second well). (7 D, 5.2 N., 0.2 W.). Drilled by Artesian Well & Supply Co., May 1922. Information furnished by Suburban Engineering Co.

Depth:	197.5 feet.
Casing:	8 inches.
Screen:	11 feet of Cook.
Water level:	144 feet.
Yield:	60 gallons a minute.

- -

N 163. Charles H. Theriot. Mill River Hollow Rd., about 1,000 feet north of Flushing-North Hempstead Turnpike, East Norwich. (7 E, 0.7 N., 2.3 W.). Drilled by Conlon in 1916. Information furnished by Suburban Engineering Co.

Depth:	164 feet.
Casing:	8 inches.
Water level:	63.5 feet.
Yield:	169 gallons a minute.

- -

N 164. J. J. Watson. Brookville. (7 E, 0.4 N., 3.7 W.). Drilled by Artesian Well & Supply Co., February 1923. Record furnished by Suburban Engineering Co.

	Thickness (feet)	Depth (feet)
Clay	125	125
Gravel, coarser near base.	22	147

Depth:	147 feet.
Casing:	8 inches.
Screen:	10 feet of No. 14 gage Cook.
Water level:	77 feet.
Yield:	85 gallons a minute.

- -

N 165. C. Oliver Iselin. Upper Brookville. (7 E, 1.2 N., 3.8 W.). Altitude about 100 feet above sea level. Record furnished by Suburban Engineering Co.

	Thickness (feet)	Depth (feet)
Sand and gravel.	35	35
Sand	5	40
Clay	15	55

(Continued on next page)

N 165. (Continued).

	Thickness (feet)	Depth (feet)
Sand, fine	10	65
Sand and gravel	20	85
Sand	10	95
Sand and gravel	10	105
Sand, fine, and gravel	5	110
Sand and gravel	30	140
Sand, clay, and gravel	5	145
Clay	15	160
Sand and clay	5	165
Sand	5	170
Clay	5	175
Clay and gravel	35	210

Screen: 8-inch set from 125 to 135 feet.

N 166. Piping Rock Water Co. Well 1. Matinecock. (7 E, 2.0 N., 3.8 W.). Drilled by Ralph B. Carter Co., in 1936. Driller's log.

	Thickness (feet)	Depth (feet)
Loam	6	6
Gravel	6	12
Stones	3	15
Gravel	6	21
Sand and clay	4	25
Sand and gravel	17	42
Boulders	13	55
Clay	10	65
Sand, fine	5	70
Clay	5	75
Sand and stones	7	82
Clay	4	86
Gravel, coarse, and stones	32	118

Casing: 6 inches.
Screen: 5-5/8 inches set from 95 to 115 feet.

Pumping test:
Static water level: 4.9 feet.
Pumping water level: 12.4 feet.
Drawdown: 7.5 feet.
Yield: 200 gallons a minute.
Specific capacity: 27.

N 167. Piping Rock Water Co. Well 2. Matinecock. (7 E, 2.0 N., 3.8 W.). Drilled by Ralph B. Carter Co. Driller's log.

	Thickness (feet)	Depth (feet)
Loam	5	5
Stones	16	21
Sand, fine	31	52
Clay, hard	13	65
Clay, soft	13	78
Sand and clay	18	96
Sand, coarse, and gravel	27	123

Casing: 6 inches.
Screen: 6-inch set from 100 to 120 feet.

Pumping test: Reported to be the same as on Well 1.

N 168. Sterling Postley. Mill River Hollow Rd., Oyster Bay. (7 E, 1.8 N., 2.3 W.). Information obtained from Suburban Engineering Co.

Depth: 189 feet.
Casing: 4 inches.
Screen: Set from 170 to 182 feet.
Water level: 139 feet.

N 169. Gravel pit about 1 mile south of Oyster Bay. (7 E, 1.5 N., 1.9 W.). Drilled by E. K. Hutchinson & Son. Altitude about 90 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Sand and gravel	120	120
Clay, black, and coarse quartz sand, mixed	40	160
Gravel, very coarse, granitic	22	182

N 170. Charles E. F. McCann. Berry Hill and Sand Hill Rds., East Norwich. (7 E, 1.2 N., 0.8 W.). Information obtained from Suburban Engineering Co.

Depth: 295 feet.
Yield: 100 gallons a minute in 1914.

N 171. B. G. Works. Farm at West Shore and Clefts Rds., Oyster Bay. (7 E, 3.3 N., 2.6 W.). Drilled by E. K. Hutchinson & Son February 1921. Record furnished by Suburban Engineering Co.

	Thickness (feet)	Depth (feet)
Sandstone, red	5	5
Gravel, fine	20	25
Gravel, coarse	79.3	104.3

Screen: 12 feet of 4-inch.
Static water level: 72 feet.
Yield: 24 gallons a minute.

- -

N 172. Arthur V. Davis. Clefts Rd., Mill Neck. (7 E, 3.7 N., 3.0 W.). Drilled by Ralph B. Carter Co. Information furnished by Suburban Engineering Co.

Depth: 434 feet.
Casing: 6 inches.
Screen: Set from 414 to 434 feet.
Yield: 75 gallons a minute.

- -

N 173. Myron C. Taylor. Lattingtown. (7 E, 4.2 N., 4.1 W.). Drilled by Artesian Well & Supply Co., March 1920. Altitude about 20 feet above sea level. Record furnished by Suburban Engineering Co.

	Thickness (feet)	Depth (feet)
Sand	20	20
Clay, stiff, white	250	270
Clay, sandy	20	290
Gravel	13	303
Clay, sandy	57	360
Gravel	13	373
Clay	1	374
Gravel	23.5	397.5

Casing: 6 inches.
Screen: 11 feet of Cook.
Water level: 19.5 feet below land surface.
Yield: 68 gallons a minute.

N 174. S. R. Outerbridge. South end of Center Island. (7 E, 3.6 N., 1.6 W.). Drilled by C. W. Lauman & Co., January 1934. Altitude about 5 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Loam, clay, and sand	5	5
Sand and gravel	9	14
Clay, gray	30	44
Sand, coarse, and gravel, water-bearing	65	109
Sand, fine, grayish-brownish, and clay	7	116
Clay, tough, gray	74	190
Gravel, coarse, grayish, and clay, contains pebbles of schist and granite, not water-bearing	10	200
Clay, gray	22	222
Gravel, coarse, and clay	14	236
Clay, straw-colored, sandy		

Yield: 60 gallons a minute by natural flow reported by owner on October 7, 1936.

- -

N 175. Paul B. Richardtz. About 100 feet east of Center Island Rd., and about 400 feet from salt water, Center Island. (7 E, 4.3 N., 1.1 W.). Drilled by C. W. Lauman & Co., July 1935. Log compiled by G. H. Clark from examination of samples.

	Thickness (feet)	Depth (feet)
Sand, dark brown, clay, and gravel	2	2
Clay, brown, sandy, and coarse gravel	8	10
Sand and gravel, light brown, clayey	30	40
Sand, brown, and coarse gravel, some clay	3	43
Sand and gravel, light brown, clayey	31	74
Sand, medium, light brown, and gravel	13	87
Sand and coarse gravel, light brown	8	95
Sand and medium gravel, light brown	4	99
Sand, coarse, white, and gravel	15	114
Sand, coarse, white, and coarse gravel	3	117
Sand, medium, white	9	126
Sand, very light brown, medium to coarse grains	29	155

Casing: 6 inches.
Screen: No. 50 slot Johnson set from 81 to 85 feet.
Static water level: 54.3 feet.
Drawdown: 12 feet.
Yield: 20 gallons a minute.

Salt water reported below 85 feet.

N 176. Nelson B. Burr. Center Island Rd., Center Island. (7 E, 4.4 N., 1.0 W.). Drilled by Artesian Well & Supply Co., in 1919. Information obtained from driller.

	Thickness (feet)	Depth (feet)
Clay reported at		310
Sand, water-bearing, at		327

Depth: 356 feet.
Yield: 100 gallons a minute.

- -

N 177. Colgate Hoyt. Composite log of 2 wells. Northeast shore of Center Island. (7 E, 5.4 N., 0.8 W.). Drilled by Boyd Engineering Co., in 1906. Altitude about 10 feet above sea level. Record collected by W. O. Crosby.

	Thickness (feet)	Depth (feet)
Top soil	3	3
Sand and clay	12	15
Clay	43	58
Sand and gravel	23	81
Sand	63	144
Clay, hard	113	257
Clay, white, and sand	37	294
Sand, white	15	309
Quicksand and gravel	15	324

- -

N 178. Harry Donniez. Jackson Ave., Seaford. (8 B, 5.1 N., 3.7 W.). Drilled by Benjamin T. Ebbets, June 1937. Driller's log.

	Thickness (feet)	Depth (feet)
Sand	7	7
Clay and sand	19	26
Clay	40	66
Gravel	2	68

Casing: 1-1/4 inches.
Screen: 2-1/2 feet of 1-1/4 inch.

Pumping test:
June 29, 1937. Drawdown: 4 feet.
Yield: 5 gallons a minute.

N 179. City of New York, Department of Water Supply, Gas & Electricity. Seaford, (8 C, 0.5 N., 3.9 W.). Altitude about 25 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Top soil	2	2
Sand, coarse, yellowish	39	41
Sand and gravel	4	45
Sand, medium, light colored, with a little gravel	7	52
Sand, medium, light colored, with fine gravel	3	55
Clay	12	67
Sand, fine, light colored	3	70
Sand, coarse, black and white	5	75
Sand, fine, white, some wood	25	100
Sand, fine, white	25	125
Sand and black wood	9	134
Sand, fine, white	26	160
Sand, medium, white	19	179

- -

N 180. City of New York, Department of Water Supply, Gas & Electricity. Test Well. Seaman's Neck Rd., Seaford. (8 C, 0.5 N., 3.9 W.). Altitude 24 feet above sea level. Record compiled by W. O. Crosby.

	Thickness (feet)	Depth (feet)
Gravel and sand, yellow, some erratic material	30	30
Gravel and sand, yellow, no erratic material	18	48
Clay, gray, with partings of quartz flour	12	60
Sand, fine, gray, trace of clay	4	64
Gravel and sand, coarse, quartz, no erratic material	4	68
Sand, coarse to fine, white to gray, trace of lignite	124	192
Clay, plastic, gray	13	205
Sand, fine, white, and lignite	109	314
Clay, dark, gray, carbonaceous, and micaceous	15	329
Sand, fine, gray and white, and lignite	47	376
Clay, gray, plastic	.5	376.5
Sand, fine, gray, and lignite	20.5	397
Clay, gray, and lignite	11	408
Sand, fine, white, and lignite	18	426
Clay, gray, plastic	11	437
Sand, white, and lignite	19	456
Clay, plastic	3	459
Sand, white, and lignite	100	559
Clay, white, plastic	9	568
Sand and gravel, with lignite	100	668
Clay, white, plastic	35	703
Sand and gravel, white, coarser near base	59	762

N 181. City of New York, Board of Water Supply. Deep Well 10. 200 feet east and 200 feet south of Seaford Station, Long Island Railroad. (8 C, 0.6 N., 3.6 W.). Altitude 24 feet above sea level. Published in City of New York, Board of Water Supply, Long Island Sources, volume 1, p. 224, 1912, in which a more detailed log is given.

	Thickness (feet)	Depth (feet)
Top soil, yellow sand, and gravel	40	40
Sand, gray, fine gravel, trace of clay, some white mica	12	52
Clay, dark gray, trace of gravel	13	65
Sand, coarse, gray, shells and gravel abundant	3	68
Sand, fine, gray, some white mica and lignite	14	82
Shells, clay, and fine gravel, and lignite	9	91
Clay, dark gray, fine gravel, some shells	22	113
Sand, white, coarse, and fine, mica and lignite	527	640
Sand, coarse, gray, fine gravel, traces of clay and lignite, some white mica	10	650
Sand, fine, white, traces of clay and lignite, some white mica	10	660
Sand, fine and coarse, gray	11	671
Sand, very fine, white, and fine gravel, traces of lignite and white mica	14	685
Clay, light gray, some gravel	1	686
Sand, white, fine to coarse, some clay, lignite, and white mica	34	720
Gravel, gray, and sand, some clay and lignite	62	782
Gravel, gray, some sand and clay	23	805
Clay, white, some sand	2	807
Gravel, gray, some gray clay, fine sand, and lignite	13	820
Clay, white, with some gravel and lignite	10	830
Sand, medium and fine, white, some white mica and lignite	182	1012

Record compiled by W. O. Crosby.

Top soil, yellow	3	3
Sand and small gravel, yellow, some erratic material	17	20
Sand, coarse, light yellow, and gravel, few erratics	10	30
Sand, gray, micaceous, fine gravel, traces of clay	22	52
Clay, dark gray, traces of gravel	13	65
Sand, coarse, gray, shells and gravel, shells abundant	3	68
Sand, fine, gray, micaceous	4	72
Sand, light gray, and some lignite	10	82

(Continued on next page)

N 181. (Continued)

	Thickness (feet)	Depth (feet)
Clay and fine gravel, with lignite and abundant shells	9	91
Clay, dark gray, fine gravel, and some shells	22	113
Sand, coarse to fine, white, micaceous, with traces of lignite	422	535
Sand, coarse to fine, white, micaceous, with traces of clay and lignite	70	605
Sand, very coarse, white, micaceous	3	608
Gravel, white clay, lignite and pyrite	.5	608.5
Sand, coarse, white, micaceous, traces of clay and lignite	11.5	620
Sand, fine, white, fine gravel, and traces of lignite	10	630
Sand, coarse, white, and traces of clay and lignite	10	640
Sand, coarse, gray, micaceous, fine gravel, traces of clay and lignite	10	650
Sand, fine, white, micaceous, traces of clay and lignite	10	660
Sand, fine and coarse, gray	11	671
Sand, very fine, white, micaceous, traces of lignite	10	681
Sand, white, micaceous, and fine gravel, traces of lignite	4	685
Clay, light gray, and some gravel	1	686
Sand, very fine, white micaceous, traces of lignite	6	692
Sand and gravel, gray, some gray clay and lignite.	8	700
Sand, fine, white, micaceous, white clay and lignite	10	710
Sand, fine, white, micaceous, trace of lignite	4	714
Sand, coarse, white, micaceous, trace of lignite and clay	6	720
Gravel and sand, gray, with clay, no lignite	10	730
Gravel and coarse sand, gray, trace of clay and lignite	22	752
Gravel, gray, some clay, no lignite	30	782
Gravel, gray, no clay, no lignite	10	792
Gravel, gray, and white sand, no clay, no lignite.	11	803
Gravel, gray, and white sand, trace of white clay.	2	805
Clay, white, some sand	2	807
Gravel, gray, with some gray clay and lignite	6	813
Gravel, fine, gray, fine sand, and lignite	7	820
Clay, white, with some gravel and lignite	10	830
Sand, medium and fine, white, micaceous, and abundant lignite	115	945
Sand, medium to very fine, white micaceous, and trace of lignite	67	1012

(Continued on next page)

N 181. (Continued).

A nearly continuous bed of gravel from about 715 to 805 feet. The white clay probably occurs in occasional thin layers or partings and is not disseminated through the gravel. Hence, the gravel is highly water bearing, and while passing through this gravel the well gave a continuous artesian flow. This gravel and water horizon cannot, apparently, be correlated with the Lloyd in the lower part of the Raritan; but it belongs, instead, in the lower part of the Magothy.

N 182. School District No. 23. Town of Oyster Bay, Massapequa Ave., between Prospect Pl. & Merrick Rd., Massapequa. (8 C, 0.2 N., 2.9 W.). Drilled by Benjamin T. Ebbets January 1937. Driller's log.

	Thickness (feet)	Depth (feet)
Fill	3	3
Sand	5	8
Clay	9	17
Sand and gravel	14.5	31.5

Casing:	1-1/4 inches.
Screen:	2 feet of 1-1/4 inch.
Static water level:	3.3 feet on January 6, 1937.
Yield:	7 gallons a minute.

N 183. School District No. 23. Town of Oyster Bay, Massapequa Ave., between Prospect Pl. & Merrick Rd., Massapequa. (8 C, 0.2 N., 2.9 W). Drilled by Benjamin T. Ebbets January 1937. Driller's log.

	Thickness (feet)	Depth (feet)
Top soil and fill	3	3
Clay and gravel	6	9
Clay	10	19
Sand, water-bearing	14.5	33.5

Casing:	1-1/4 inches.
Screen:	2 feet 5 inches of 1-1/4 inch.
Static water level:	2 feet on January 3, 1937.
Yield:	7 gallons a minute.

N 184. City of New York, Department of Water Supply, Gas & Electricity. Test Well, Massapequa Pumping Station. (8 C, 0.5 N., 2.7 W.). Altitude about 10 feet above sea level. Record compiled by W. O. Crosby.

	Thickness (feet)	Depth (feet)
Sand and gravel, in part glacial	48	48
Clay, light gray and blue	8	56
Sand and shells	45	101
Sand, fine, shells in upper part only	60	161

N 185. City of New York, Department of Water Supply, Gas & Electricity. Test Well 12. Massapequa Stream at Brush Rd., 2.8 miles north of Long Island Railroad, Montauk Division. (8 C, 3.3 N., 2.2 W.). Jetted by owner in 1909. Altitude about 60 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Gravel, coarse, rusty, mixed with soil	7	7
Gravel, coarse, clean, and sand	3	10
Gravel, coarse, stained with black spots	2	12
Sand, medium, some fine gravel	4	16
Sand, medium, yellow, some fine gravel	2	18
Sand, medium, yellow, some very fine gravel	7	25
Sand, fine, some fine gravel	23	48
Sand, medium, some fine white gravel	2	50
Sand, medium and coarse, yellow, some fine gravel	2	52
Gravel, fine, clean	4	56
Gravel, fine, rusty	5	61
Gravel, coarse, clean	9	70
Sand, fine, gray	20	90
Sand, medium, rusty	2	92
Sand, medium, white	10	102
Sand, medium and fine, light yellow	10	112
Sand, coarse, yellow	6	118
Clay, compact, blue	8	126
Lignite	2	128
Sand, medium, light yellow	22	150
Sand, fine, white, clean	18	168
Sand, medium, white, clean	37	205
Sand, medium, lignite and pyrite	30	235
Sand, medium, light gray, clean	37	272

Casing: 8 inches.

(Continued on next page)

N 185. (Continued)

Record compiled by W. O. Crosby.

	Thickness (feet)	Depth (feet)
Gravel and sand, yellow, trace of erratic material	12	12
Sand and some gravel, trace of erratic material	23	35
Sand and gravel, no erratic material	17	52
Gravel, clean, fine, no sand, no erratic material	18	70
Sand, fine, gray, micaceous	20	90
Sand, medium, yellow, micaceous	2	92
Sand, fine to coarse, white to buff, micaceous	26	118
Clay, dark gray, carbonaceous and micaceous, pebbly	8	126
Sand, dark gray, highly micaceous and lignitic	2	128
Sand, medium, light yellow, micaceous	22	150
Sand, fine, white, micaceous	18	168
Sand, medium, white, micaceous, much lignite and pyrite	67	235
Sand, fine, white, micaceous, trace of lignite	37	272

N 186. City of New York, Department of Water Supply, Gas & Electricity. Test Well 13. Massapequa Stream at Bethpage Rd., north of Long Island Railroad, Montauk Division. (8 C, 3.9 N., 2.8 W.). Jetted by owner in 1909. Altitude about 80 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Loam and gravel	5	5
Sand, fine, brown	2	7
Sand, coarse, brown, and gravel	11	18
Sand, fine, brown	2	20
Sand, coarse, brown, and gravel	5	25
Sand and gravel, dark brown	7	32
Sand, coarse, brown, and gravel	3	35
Sand, fine, brown, and gravel	5	40
Gravel, heavy, and stone	10	50
Gravel, heavy, and stone and pyrite	8	58
Gravel, heavy, and stone	7	65
Sand, fine, light brown	12	77
Sand, fine, brown	12	89
Sand, coarse, white, and gravel	7	96
Sand, coarse, brown, and gravel	12	108
Sand, medium, white	7	115
Sand, coarse, brown	10	125
Sand, medium, white	5	130
Sand, fine, brown	9	139

(Continued on next page)

N 186. (Continued).

	Thickness (feet)	Depth (feet)
Sand, fine, white, and abundant powdered lignite . .	9	148
Sand, medium, white, and traces of lignite	15	163
Sand, medium, white, and brown, and traces of lignite	28	191
Sand, medium, white and brown, mixed	25	216
Sand, large, sharp, light brown, and traces of lignite	3	219
Sand, fine, dark brown, and powdered lignite	2	221

Casing: 8 inches.

Record compiled by W. O. Crosby.

Gravel and sand, yellow, traces of erratic material	18	18
Gravel and sand, yellow, no erratic material	17	35
Clay, yellow, sandy	5	40
Gravel, coarse, quartz, no erratic material	27	67
Sand, fine to medium, yellow, micaceous	22	89
Sand, coarse, white	19	108
Sand, coarse to medium, buff to gray	7	115
Sand, coarse to medium, yellow	10	125
Sand, fine to medium, yellow	14	139
Sand, fine, gray, micaceous, with lignite	9	148
Sand, fine, white, micaceous, with lignite	68	216
Sand, medium to coarse, micaceous	3	219
Sand, fine, gray, micaceous, with lignite	2	221

N 187. Charles R. Weiden. Farmingdale. (8 C, 4.4 N., 1.8 W.). Drilled by C. W. Lauman & Co., October 1935. Log compiled by G. H. Clark from an examination of samples.

	Thickness (feet)	Depth (feet)
Top soil	1	1
Clay, sandy	5	6
Sand and small gravel	29	35
Clay, black, somewhat sandy	17	52
Clay, black, sandy	26	78
Sand, dirty	3	81
Sand, clean	5	86
No record	8	94

Casing: 4 inches.
Screen: 3 feet of $1\frac{1}{4}$ inch No. 10 slot.
Yield: Very small.

N 188. Village of Farmingdale. Test Hole. 315 Eastern Parkway at Oakview Ave., just south of Railroad. (8 C, 4.7 N., 1.2 W.). Drilled by Hall & Co., November 1935. Altitude 75 feet above sea level. Record compiled by H. R. Blank from examination of samples.

	Thickness (feet)	Depth (feet)
Sand and gravel, thin layer of white to yellow clay at 72 feet	72	72
Sand, very fine, yellowish-white, some clay	28	100
Sand, fine, clayey, coarser near base	30	130
Sand, medium, clayey, mixed with yellowish clay	5	135
Sand, medium, gray, coarser near base	15	150

Casing: 4 inches.
Static water level: 20.8 feet.

There are four shallow wells on this property, drilled from 1905 to 1919, depths range from 38 to 45 feet, diameters from 8 to 18 inches. Water level, 24 feet in February 1932. Combined yield, 1,200 gallons a minute.

- -

N 189. Long Island State Park Commission. Well 1. Bethpage State Park. (Formerly owned by B. F. Yoakum). (8 C , 5.1 N., 1.6 W.). Drilled by Layne-New York Co., Inc., in 1925. Altitude 145 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Sand, coarse, and boulders	20	20
Sand, coarse, and gravel	21	41
Sand, coarse, loose	43	84
Sand, coarse, loose, and gravel	43	127
Sand, coarse, and gravel	63	190
Clay, white		

Casing: 16 to 10 inches.
Screen: 11-inch set from 145.8 to 185 feet.

Pumping test:
Oct. 26, 1925.

Static water level:	86 feet.
Pumping water level:	107.8 feet.
Drawdown:	21.8 feet.
Yield:	594 gallons a minute.
Specific capacity:	27.

N 190. Long Island State Park Commission. Well 2. Bethpage State Park. About 30 feet southwest of test well (255 feet deep) and 400 feet west of Well 1. (8 C, 5.2 N., 1.6 W.). Drilled by owner February 1936. Altitude 146.08 feet above sea level. Record from driller's log and from observations at well by H. R. Blank.

	Thickness (feet)	Depth (feet)
Pit	20	20
Sand and gravel, coarse brown	24	44
Sand, fine, yellowish-brown, with some clay	6	50
Sand, white, chiefly medium, but some fine and coarse layers	37	87
Clay, yellowish-brown	3	90
Sand and gravel, white, with considerable ironstone.	5	95
Sand and gravel, rusty to red coated, some ironstone	15	110
Sand, fine, clayey, yellowish-brown	35	145
Sand, white, medium to coarse, no gravel	15	160
Sand, medium, light brown	20	180
Sand, fine, gray, and clay	7	187
Sand, very fine, tan colored, and tan colored clay	8	195
Clay, tough, in layers of various colors	2	197
Clay, sandy, in thin hard layers, dark colored	3	200
Clay, fine, sandy, gray, somewhat softer than above.	20	220
Sand, fine, tan colored, with particles of lignite	10	230
Clay, hard, light brown	5	235
Sand, fine, brown, and clay	5	240
Sand, fine to medium, brown	13	253
Clay, hard, gray, with a little fine sand	7	260
Sand, fine, clayey, rusty yellow	10	270
Sand, fine, clayey, rusty yellow, mottled with black	4	274
Sand, fine to medium, light grayish-brown	21	295
Clay, tough, black	9	304
Clay, silty, gray, rich in lignite and pyrite, fairly tough	22	326
Clay, laminated, brownish-gray, sandy, rich in fine mica	20	346
Sand, very fine, clayey, yellowish-brown	6	352
Sand, medium, brown	5	357
Clay, tough, slate colored	7	364
Sand, fine to medium, brown	12	376
Sand, fine, brown, and yellow clay	2	378
Clay, black, with lignite	1	379
Clay, dark gray to yellow	1	380
Sand, medium, brown, clayey	22	402
Sand, fine, tan colored, clayey, contains lumps of oxidized pyrite	19	421
Clay, light gray, sandy, with pieces of white clay	19	440
Clay, tough, white	1	441
Sand, fine to medium, brownish-gray with piece of white clay	13	454

(Continued on next page)

N 190. (Continued)

	Thickness (feet)	Depth (feet)
Sand, fine, tan-brown, clayey	10	464
Sand, very fine, light gray, and clay	7	471
Clay, gray, silty, rich in organic matter	2	473
Clay, gray, very hard	2	475
Sand, fine, yellowish-gray, clayey, with a few thin streaks of gray clay	19	494
Sand, fine, light gray	2	496
Sand, coarse, brown, clean	13	509
Clay, pinkish-brown	3	512
Sand, medium, gray	3	515
Clay, tough, dark gray to brownish-gray	18	533
Clay, dark gray to brownish-gray, softer than above.	3	536
Sand, medium, light gray, clayey	9	545
Clay, fairly tough, dark purplish-brown, containing lignite	5	550
Sand, medium, brownish-gray, clayey	32	582
Sand, coarse, gray, with trace of clay	5	587
Sand, coarse, and gravel	5	592
Sand, fine, gray, and clay	12	604
Sand, fine, gray	11	615
Clay, hard, black, and wood	9	624
Sand, coarse, gray, with gravel, clay, and wood	24	648
Sand, coarse, almost white, and gravel	21	669
Sand, light brown, and gravel	26	695
Clay, white	5	700

Casing: 16 to 10 inches.
Screen: 10-inch No. 40 slot Cook, set from 624 to 684 feet.

N 191. City of New York, Department of Water Supply, Gas & Electricity. Test Well 14. Near Central Park Station. (8 C, 5.0 N., 3.2 W.). Altitude about 100 feet above sea level. Record compiled by W. O. Crosby.

	Thickness (feet)	Depth (feet)
Sand and gravel, yellow, some erratic material	12	12
Sand, medium, yellow, and lumps of white plastic clay	8	20
Clay, white, sandy	6	26
Sand, medium, white, clayey, micaceous	8	34
Sand, fine, light yellow, clayey, micaceous	10	44
Nodules of ferruginous sandstone (oxidized pyrite)	1	45
Clay, sandy, white and yellow, micaceous	7	52
Clay, yellow and white, plastic, and oxidized pyrite	3	55
Sand and gravel, yellow, trace of erratic material	5	60

(Continued on next page)

N 191 (Continued).

	Thickness (feet)	Depth (feet)
Sand and fine gravel, yellow, no erratic material	5	65
Sand and coarse gravel, yellow, trace of erratic material	7	72
Sand, deep yellow, and oxidized pyrite	7	79
Sand, deep yellow, and fine gravel	6	85

N 192. Central Park Water District. Well 3. Jackson Ave., and Long Island Railroad, Central Park. Drilled by Layne-New York Co., Inc., September 1937. (8 C, 5 0 N., 3.2 W.). Altitude of base of pump 104.46 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand, coarse, and gravel	41	41
Sand, coarse	64	105
Sand, coarse, loose	42	147
Sand, loose	32	179
Sand, muddy		

Casing: 16 to 10 inches.
Screen: 10-inch set from 112 to 161.5 feet.

Pumping test:
Sept. 28, 1927.

Static water level:	39.0 feet.
Pumping water level:	91.1 feet.
Drawdown:	52.1 feet.
Yield:	512 gallons a minute.
Specific capacity:	10.

There are two other wells on this property. Well 1 is 104 feet deep. Well 2 is 220 feet deep.

N 193. Richard F. Babcock. Woodbury Rd., Woodbury. (8 D, 3.8 N., 3.2 W.). Drilled by Artesian Well & Supply Co., December 1922. Information furnished by Suburban Engineering Co.

Depth: 640 feet.
Casing: 8 to 6 inches.
Screen: 11.1 feet of Cook.
Water level: 227 feet.
Yield: 35 gallons a minute.

Material below screen reported to be clay and sand.

N 194. Ogden Mills. Woodbury. (8 D, 4.2 N., 2.0 W.). Drilled by R. H. & J. Conlan, September 1917. Altitude about 320 feet above sea level. Record furnished by Suburban Engineering Co.

	Thickness (feet)	Depth (feet)
Hardpan with gravel	40	40
Gravel, no water	100	140
Clay, soft, red	80	220
Clay in large and small lumps	30	250
Sand, fine, with particles of clay, some water	35	285
No record	100	385

Screen: Set from 340 to 385 feet.

N 195. H. R. Winthrop. Woodbury. (8 D, 4.5 N., 2.2 W.). Drilled by Artesian Well & Supply Co., in 1919. Altitude about 270 feet above sea level. Record furnished by Suburban Engineering Co.

	Thickness (feet)	Depth (feet)
Hardpan	55	55
Clay, sandy, with layers of sand and clay	190	245
Sand, dirty	30	275
Sand, clean	25	300

Screen: 8-inch No. 14 Cook set from 283 to 294 feet.
Water level: 203 feet below land surface.

N 196. Philip L. Goodwin. Woodbury Rd., near Jericho Turnpike, Woodbury. (8 D, 4.2 N., 3.0 W.). Drilled by Artesian Well & Supply Co., September 1920. Altitude about 230 feet above sea level. Information furnished by Suburban Engineering Co.

	Thickness (feet)	Depth (feet)
Hardpan	20	20
Gravel	30	50
Gravel and sand	30	80
Sand, fine	20	100
Sand	30	130
Clay	10	140
Sand	10	150
Sand, white	10	160
Sand, dirty	10	170
Clay		

(Continued on next page)

N 196. (Continued).

Casing:	6 inches.
Screen:	10.5 feet of 6-inch Cook, with bottom about 166 feet.
Yield:	50 gallons a minute.
Static water level:	144 feet.

- -

N 197. Victor Morowitz. Well 2. Woodbury. (8 D, 4.7 N., 3.5 W.). Drilled by P. H. & J. Conlan, November 1920. Altitude about 280 feet. Record furnished by Suburban Engineering Co.

	Thickness (feet)	Depth (feet)
Gravel	200	200
Clay	7	207
Sand, fine	193	400
Clay	7	407
Sand, fine	20	427
Sand, coarse	20	447
Sand, very fine, white	10	457

Water level: 180 feet below surface.

- -

N 198. Jericho Water District. Well 3. Nostrand Lane, Syosset. (8 D, 5.0 N., 3.9 W.). Drilled by Layne-New York Co., Inc., April 1930. Altitude 237 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand and gravel, some boulders	50	50
Sand and gravel, hard	150	200
Sand, with streaks of clay	93	293
Clay	6	299
Clay, sandy	72	371
Sand, hard, with soft streaks	94	465
Clay, tough	5	470
Clay, sandy	22	492
Sand, hard	41	533
Clay	3	536
Clay, hard, sandy	27	563
Sand and gravel	23	586
Clay	2	588
Sand and gravel	22	610
Sand, hard, with streaks of clay	20	630

(Continued on next page)

N 198. (Continued).

	Thickness (feet)	Depth (feet)
Clay	186	816
Gravel	45	861
Clay and boulders	30	891
Clay and sand	34	925

Casing: 26 to 12 inches.
Screen: 12-inch set from 566.6 to 616.6 feet.

Pumping test:
Nov. 22, 1930.
Static water level: 165 feet.
Pumping water level: 196 feet.
Drawdown: 31 feet.
Yield: 1,130 gallons a minute.
Specific capacity: 36.

- -

N 199. Jericho Water District. Well 4. Nostrand Lane, Syosset. (8 D, 5.1 N., 3.9 W.). Drilled by Layne-New York Co., Inc., June 1930. Altitude 233 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Gravel and boulders	50	50
Sand and gravel	165	215
Clay and sand	60	275
Clay, tough	7	282
Clay and sand in streaks	105	387
Clay, tough	3	390
Sand, gravel, and clay	70	460
Gravel	17	477
Clay and sand	23	500
Sand and gravel	100	600
Sand and clay	11	611

Casing: 38 to 12 inches.
Screen: 12-inch set from 544 to 600 feet.

Pumping test:
Nov. 22, 1930.
Static water level: 159.5 feet.
Pumping water level: 192.0 feet.
Drawdown: 32.5 feet.
Yield: 1,120 gallons a minute.
Specific capacity: 35.

N 200. Frederick Lutz. Oyster Bay Cove. (8 E, 1.8 N., 4.1 W.). Drilled by Artesian Well & Supply Co. Altitude about 60 feet above sea level. Record furnished by Suburban Engineering Co.

	Depth (feet)
Clay (3 feet) at	60
Clay, at	155
Sand and gravel, coarse	169

Depth: 169 feet.
Static water level: 20 feet.
Drawdown: 45 feet pumping 75 gallons a minute.

N 201. Thomas Hitchcock, Middle Neck Rd., Sands Point. (5 E, 2.2 N., 3.1 W.). Drilled by Artesian Well & Supply Co. Driller's log.

	Thickness (feet)	Depth (feet)
Sand and gravel	57	57
Sand, fine, yellowish-brown, rich in mica	3	60

Static water level: 38.6 feet.
Yield: About 40 gallons a minute.

N 202. Oyster Bay Water District. East side of Shore Rd., 500 feet north of West Main St. Well is 20 feet northeast of northeast corner of pump house and 20 feet south of Long Island Railroad. (7 E, 2.9 N., 2.2 W.). Drilled by E. K. Hutchinson & Son in 1928-1930. Altitude about 5 feet above sea level.

Depth: 420 feet.

E. K. Hutchinson & Son drilled four other wells at this location ranging in depth from 100 to 420 feet.

N 203. Roslyn Water District. East side of West Shore Rd., 100 feet south of Mott Ave. Well is 48 feet southeast of southeast corner of pump house and 400 feet east of West Shore Rd. (6 D, 3.6 N., 3.6 W.). Altitude about 15 feet above sea level.

There are seven other wells at this location ranging in depth from 275 to 600 feet.

N 204. Village of Centre Island. West side of Centre Island Rd., near intersection with Public Rd. (7 E, 4.7 N., 1.2 W.). Altitude about 20 feet above sea level.

Chloride content of well water on December 20, 1937, was 5 parts per million.

INDEX OF WELLS BY OWNERS

Owner	Well No.
Aldred, J. F.	N 122
Babcock, Richard F.	N 193
Baker, George F., Jr.	N 123
Bethpage State Park	N 189
Do.	N 190
Burden, James A.	N 161
Burr, Nelson B.	N 176
Carlton Amusement Corp.	N 27
Central Park Water District	N 192
Centre Island, Village of	N 204
Channell Management Corp.	N 46
Citizens Water Supply Co.	N 7
Do.	N 8
Do.	N 9
Do.	N 21
Do.	N 22
Do.	N 23
Do.	N 30
Do.	N 31
Colonial Beacon Oil Co.	N 47
Creek Club	N 121
Do.	N 124
Do.	N 125
Dahl, C. H., Dairy	N 74
Davis, Arthur V.	N 172
Deepdale Country Club	N 20
Donniez, Harry	N 178
Doubleday Doran & Co., Inc.	N 87
Farmingdale, Village of	N 188
Freeport, Village of	N 66
Do.	N 67
Do.	N 68
Do.	N 69
Do.	N 131
Do.	N 132
Do.	N 133
Do.	N 134
Garden City Garage	N 86
Garden City Hotel	N 88
Do.	N 89
Garden City, Village of	N 92
Do.	N 93
Do.	N 94
Do.	N 95
Goodwin, Philip L.	N 196
Great Island	N 130
Guggenheim, Harry F.	N 38
Hempstead, Village of	N 78

INDEX OF WELLS BY OWNERS (CONT.)

Owner	Well No.
Hempstead, Village of, (Cont.).	N 79
Do.	N 80
Do.	N 81
Do.	N 82
Do.	N 83
Hicksville Water District	N 148
Do.	N 149
Do.	N 150
Hill, J. N.	N 157
Hitchcock, Thomas	N 201
Hoyt, Colgate	N 177
Iovino, Orazio	N 151
Iselin, C. Oliver	N 165
Jamaica Water Supply Co.	N 10
Do.	N 11
Do.	N 12
Do.	N 13
Do.	N 14
Do.	N 15
Do.	N 17
Jericho Water District	N 109
Do.	N 110
Do.	N 198
Jericho Water District, (Cont.)	N 199
Jones Beach State Park	N 128
Do.	N 129
Kent, George E.	N 154
Knabbe, Richard	N 142
Knickerbocker Ice Co.	N 1
Locust Valley Water District	N 115
Do.	N 116
Do.	N 117
Do.	N 118
Do.	N 119
Do.	N 120
Loeser, Frederick & Co., Inc.	N 90
Livermore, P. W.	N 156
Long Beach, City of	N 40
Do.	N 41
Do.	N 42
Do.	N 43
Do.	N 44
Do.	N 45
Long Island Lighting Co.	N 111
Long Island State Park Comm.	N 128
Do.	N 129

INDEX OF WELLS BY OWNERS (CONT.)

Owner	Well No.
Long Island State Park Comm.	N 189
Do.	N 190
Long Island Water Corp.	N 73
Lowden, W. T.	N 144
Lutz, Frederick	N 200
Manhasset-Lakeville Water District	N 24
Do.	N 25
McCann, Charles E. F.	N 170
Meadow Brook Country Club	N 85
Meadowbrook Hospital	N 145
Milburn Country Club	N 70
Mills, Ogden	N 194
Mineola, Village of	N 97
Do.	N 98
Morowitz, Victor	N 197
Murray, Hugh	N 108
Nassau Country Club	N 114
Nassau & Suffolk Loan Assn.	N 18
New York, City of, Board of Water Supply	N 181
New York, City of, Department of Water Supply, Gas and Electricity	N 2
Do.	N 3
Do.	N 4
New York, City of, Department of Water Supply, Gas and Electricity, (Cont.)	N 5
Do.	N 6
Do.	N 51
Do.	N 54
Do.	N 55
Do.	N 56
Do.	N 57
Do.	N 58
Do.	N 59
Do.	N 60
Do.	N 61
Do.	N 62
Do.	N 63
Do.	N 64
Do.	N 65
Do.	N 135
Do.	N 136
Do.	N 137
Do.	N 138
Do.	N 139
Do.	N 140
Do.	N 141
Do.	N 143

INDEX OF WELLS BY OWNERS (CONT.)

Owner	Well No.
New York, City of, Department of Water Supply, Gas, and Electricity, (Cont.)	N 146
Do.	N 147
Do.	N 179
Do.	N 180
Do.	N 184
Do.	N 185
Do.	N 186
Do.	N 191
New York Water Service Corp.	N 112
Old Westbury, Village of	N 105
Do.	N 107
Do.	N 152
Outerbridge, S. C.,	N 174
Oyster Bay Water District	N 202
Pennoyer, Paul G.	N 113
Piping Rock Water Co.	N 166
Do.	N 167
Plandome, Village of	N 28
Do.	N 29
Port Washington Water Dist.	N 32
Do.	N 33
Do.	N 34
Do.	N 35
Postley, Sterling	N 168
Premium Ice Co.	N 16
Reid Ice Cream Co.	N 100
Richardtz, Paul B.	N 175
Rockville Centre, Village of	N 48
Do.	N 49
Do.	N 50
Do.	N 52
Do.	N 53
Do.	N 72
Rockville Country Club	N 71
Roslyn Water District	N 203
Sands Point Police Station	N 39
Sands Point, Village of	N 36
Do.	N 37
Scheepers, John	N 158
School District No. 23	N 182
Do.	N 183
Schumacher, Fred	N 19
Senff, Charles H.	N 160
State Laundry Co.	N 77
Steel, Charles	N 106
Swift & Co.	N 96
Taylor, Myron C.	N 173

INDEX OF WELLS BY OWNERS (CONT.)

Owner	Well No.
Theriot, Charles H.	N 163
Tod, Robert E.	N 162
U. S. Coast Guard	N 126
Do.	N 127
U. S. War Department	N 84
Vanity Fair Laundry	N 26
Von Stade, F. S.	N 153
Wallach, Mrs. B.	N 155
Watson, J. J.	N 164
Weiden, Charles R.	N 187
Westbury Water District	N 101
West Hempstead-Hempstead Gardens Water District	N 75
Do.	N 76
Wheatley Hills Golf Club	N 102
Williston Park, Village of	N 103
Do.	N 104
Wilson & Co.	N 99
Winthrop, Bronson	N 159
Winthrop, H. R.	N 195
Works, B. G.	N 171
Yoakum, B. F.	N 189

LONG ISLAND GROUND WATER BULLETINS

GW-1 Withdrawal of Ground Water on Long Island, N. Y.
D. G. Thompson and R. M. Leggette, 1936

GW-2 Engineering Report on the Water Supplies of Long Island
Russell Suter, Executive Engineer, Water Power and Control Commission, February 1, 1937

GW-3 Records of Wells in Kings County, N. Y.
U.S.G.S., 1937

GW-4 Records of Wells in Suffolk County, N. Y.
U.S.G.S., 1938

GW-5 Records of Wells in Nassau County, N. Y.
U.S.G.S., 1938

GW-6 Records of Wells in Queens County, N. Y.
U.S.G.S., 1938

GW-7 Report on the Geology and Hydrology of Kings and Queens Counties, Long Island,
J. Homer Sanford, 1938.